The LADIES Diary:

Woman's ALMANACK,

For the YEAR of our LORD, 1740.

Being the BISSEXTILE, OF LEAP-YEAR?

Containing many Delightful and Entertaining Particulars, Peculiarly

Adapted for the Use and Discrision of the

FAIR-SEX.

Being the Thirty-Seventh ALMANACK ever Publishe'd of this Kind

On whom the GRACES and the MUSES smile.



LONG had your lovely Shape, and matchles Mein,

The Wonder of the Neighb'ring Nations been;

3. NATURE to make your Triumph morcompleat To peerless CHARMS has added piercing WIT.

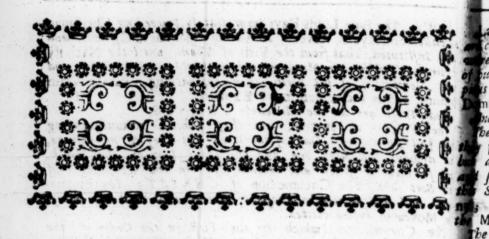
4. NO more let SCTTHIA vaunt her FEMALE HOST.

Nor their SEMIRAMIS th' Affyrians boaft:

WIT join'd to BEAUTY, Fame shall now record;

Which lead more Captive than the Conqu'ring Sword.

Printed by A. Wilde, for the Company of STATIONERS, 1740.



The Account of the FASTS and FESTIVALS of the CHURCH of ENGLAND, Continued.



Ollowing the Sundays after Eafter doth fuc. ceed the Soleminty of Pentecost, so called because the 50th Day from the Re-surrection of CHRIST. It is vulgarly called Whit-Sunday, or White-Sunday, from the Carechumens, who were cloathed in White, and admitted to the Sacrament of Baptism on the Eve of this Feaft. But Verstegan Saith, It was anciently called Wied-Sunday, that is, Sacred Sunday, for that Wied, at

Whied fignifies Sacred, in the Old Saxon.

Which Festival, as it was of old celebrated by the Jews, the soil Day after the Passover, in Memory of the Divine Law promule pated on Mount Sinai; so is this 50th Day after Easter by all good Christians, to commemorate the Mission of the Holy Ghost thereon which is the only best Interpreter of the Devine Law.

Next, is The Feast of the Holy Trinity (being the Lord's Day following) which was instituted by Gregory the IVth. who held the Episcopal Chair, Anno 827. In Honour of the Holy Trinity.

The Thursday next after, is the Festival of the Body of CHRIST, commonly called Corpus-Christi-Day, which Uitan the Fourth Bishop of Rome, instituted about the Tear of CHRIST 1264 The Sundays following this of the Holy Trinity, are called all of them, according to the Numerical Order whereby they success

Trinky Sunday, until the First of Advent.

Laftly

M

end ncifi

once be

er C CH

ereof

re o dore

RI

nkin

inity

Hic.

Don

Mir

Seq;

Vbich

mitive

The.

To C

While AM

r. from

hary co

at Tab

dy

The Fasts and Festivals Explain'd.

astly, The Four Lords Days immediately preceeding Christmas, called Sindays of Advent, ab Adventu Domini in Carnein, and the Instituted, That from the First of Them, until the Nativity our SAVIOUR, our Minds might be prepar'd to a fober Lue, and s Meditation of his Birth, then approaching, Parate Viam mini, rectas facite Semitas DEI noitri. bid These are all the Moveable FEASTS. be Fixed, or Stative, are they, which, notwithstanding fall upon divers Days of the Wiek, yet they do not change, always fall upon one and the same Day of the Month, to have a fixed and certain Seat in the Calendar. Of sort are, The Circumcission of CHRIST; The Epipaanand all others the Feast of Saints and Martyrs, except

Moveable before recited.

20

西西西

2

quas

that

1, 01

soth

muin

good ereon

Day beld

The Circumcition (which is the First in the Order of the Clendar) in Commemoration of the Mystery of Hi Legal Circumcition, when He subs guest the Trustery of Hi Legal Circumcition. cuncifion, when He, who was the Truth and Subitance, did

once fulfil, and take away the Type thereof.

The Epiphany, or Apparition, or the Feast of Twelfth Day er Christmas, so called and celebrated in Memory and tionour CHRIST's Manifestation or Apparition made to the Gens, by a miraculous Comet, or Blazing Star, by Virtue ereof He drew, and conducted the Three Magi, or Sages (com-ly called the Three Kings) who upon Sight of that Star fue. Rene out of the East into the Country of Paleitine, or Jewry, adore Him in the Manger, where, (Twelve Months after arly iday, RIST's Birth) they presented him with Myrrh. Gold and wert nkincense, in Testimony of his Regality, Humanity and o the inity; whereof Prudentius, 18 of

Hic pret'ofa Magi, Sub Virginis where CHRISTO, Dona ferunt Paero, Myrchae, et Thuris, et Auri, Miratur Genetrix tot cafti ventris Honores, Seg; Deum genuiffe, Hominem, Regemg; Supremum.

which are thus Translated by Dr. Edward Sark, in his mitive Devotion.

The Wife Men here, choice Treasures do disponse, To CHRIST and Mary, Myrth, Cold, Frankincenfe, While thus aftenish'd at this Glorious Thing A Mild at once to bear GOD, Man, and King.

by from the Holy Ghoft's appearing in the Shape of a Dove, Urban 1264 ed ale his Baptism Thirty Tears after, (for this Sixto Day of pary was the Day of his Bapt im; and therefore it is also ed by Alcas Cyriacus, an Arabick Maruf ript o Aftrinoneceed at Tables in the Arch-Billop's Archives in the Oxford Liy (as the Learned Doctor Hammond fays) The Feath of aftly Epichany

111

aft

ew

irst

TC

W S

FSI

SG

M D T Si

SP

MH

TE

W W T St

FW

SD

M O

WHI

T | Su

F St.

M Qu T Da

WS

TI

An A

29

une 8, A

Epiphany; or, Benediction of Waters: The Vigil whereof we of Old, called Vigilia Luminum, and the Ancients were the

wont to fend Lights one to another.

This Day was anciently celebrated by the Romans in Honor of Augustus Cæsar, for the Conquest of Parthia, Egypt, as Media, which were thereupon added to the Roman Empire whereof the Church, willing to change that Solemnity for a Betterinstituted This of Epiphany in the room of it

The Testification of bis True Incarnation, was by the Feat of the Purification of the Blessed Virgin, when FEST CHRIST was Presented in the Temple, and Proclaimed Simeon and Anna to be the Messiah. This Feast was Instituted

by Justinian the Emperor, Anno CHRISTI 542.

Saint MATTHIAS, who, being One of the Seventy Disciples was (after the Ascension) Chosen Apostle by Lot, in the Room Judas the Traytor: He Preached the Gospel in Macedonia, a (coming afterwards into Judea) was there Stoned, by the Jeward then Beheaded after the Roman Manner, Anno Christis.

The Feast of the Annunciation of the Blessed Virgin, is kin Remembrance of the Time when the Angel Gabriel declared is SAVIOUR's Conception, or Incarnation by the Holy Ghost.

Saint MARK the Evangelift, who Penn'd the Lite, Ad Miracles, Death and Refurrection of our SAVIOUR: A was first Bishop of Alexandria, where he Preached the Gostand so all over the Bordering Regions from Egypt to Petapolis. At the same Alexandria in the Time of Trajan, had a Cable-Rope tied about his Neck, by which he was draw from the Place called Bucolus, unto that other called Auget where he was Burnt to Aspes by the surious Idolaters (again whom he Preached) Anno Christi 63. and Buried at Bucolus.

[To be Continued in our next DIART.]

N. B. Having in the Second Part of this DIARY take for much Space for Answers to Anigma's, and Questions, I had not Room for an Errata Emendata, &c. The Catalogue was abridge and several Curious Things, some whereof shall be in our Next.



ADVERTISEMENT.

All Persons who are pleased to be CONTRIBUTORS by Answering the ÆNIGMA'S, QUESTIONS, &c. in the DIARY; or by sending New Enigena's, Questions, Paradoxe or other Subjects sitting for this WORK, are desired to sentheir Solutions with them before the End of May 1740. Detected for the Author at Mr. Simpson's, at Stationers-Hall ONDON. [Post Paid.]

January hath xxxi Days. il Moon, the 2d day, at 11 at Night. W4 aft Quarter, the oth day, at 2 in the Morning. the lew Moon, the 17th day, at 8 at Night. ono irst Quarter, the 24th day, at 3 in the Afternoon. a pire le!te Circumcition; or, NEW-YEAR's DAY, 6 M42 WSun rifeth 4 min, after 8, fets 56 m, after 3 o' Clo 43 Fea SU T Days Increas'd, and Nights shortened, 30 min. (rifes ed W F Sun rifes 3 min after 8, fets 57 min. after 3. 5 A 43 S Good Clocks and Wat. Should be 10 m. faster than the O 45 51 E sunday after Christmas, Ppiphany. ciple MDay 8 hours long, Night 16 hours long. 58 om I Sun rifes at 8. fets at 4. Day break 39 min. after 5 Jes W According to the Equation of Natural days, good Pen-5 13 dulums should be 12 min. before Sun-dials.

Sun rises 54 min after 7. sets 6 minutes after 4. 23 S Planetary Hour by day 42 min. by night 78 min. 35 Ad Sunday after Epiphany. 52 M Hilary. Marriage comes in. : 1 Sofpe T Drfozo Hilary and Cambitoge Lent-Term beg. 24 Pe WWatches 13 min. too fast. O due East at 5 morn 3.1 iras T Sun rises 3 quarters after 7, sets 1 quarter after 4. 26 F Watches and Clocks 13 min. 3 quarters too fast. fets iget S Days increased and Nights shortned 1 ho. 20 min. gain 6 A52 Sunday after Epiphany, Prince WALES Born 16 MOcab Hill. 1 Ret. Sun rifes 38 min: after 7. fets 34 T Day breaks half an hour after 5. [22 min. aft. 4 50 10 tak WHilary Term begins. Morn. ad n T Sun rifes half an hour after 7. Sets half an ho. aft 4 ide 4 ext. 2 F St. Paul's Conversion. 17 S I wilight ends 37 min. after 6. 26 Sund after Epiphany. Day breaks 23 m. aft. 5 31 MQuind Hill 2 Return. Watches 14 m. 3 quar. too fah 31 T Day 9 hours 19 min, long. Night 14 ho. 41 min 24 W SK. Charles Ilt. Martyr'd. 1648-9, at White Hall 10 R T 2 12 minutes paft a Clock att Noon. 91 Years lines. 6 n thi An Account of the Weather as happen'd last Year, from oxe une 1738, to June 1739. Frost, 1, 3. Rainy days, fen 8, 9, 12, 19, 21, 22, 23, 24, 25, 26, 28, D Hal Wind, 1, 3, 5, 7, 8, 11, 12, 13, 14, 29, 31. Barom 28, 8, 28, 4, 29, 7, 28, 5, 29. 3.

Laft New	Moon, the 1st day, at in 6 Evening. Quarter, the 9th day, at 3 Afternoon, Moon, the 16th day, at 6 in Morning. Quarter, the 23d day, at 7 in Morning.	ing from the
W. D's	Sundays, Holy-Days, Remarkable Days, Eclipses, Sun-Riting and Sun-Setting, Length of Days and Nights. Regulation of Glocks, Terms, Day- break, Twilight, Planetary Hours, &c.	S
3 F Se 4 M Cr 5 T Su 6 W Da	n rises i quarter after 7, sets 3 quarters ast, 4. risication; or, Candlemas-Day, ptuagesima; Quomodo, ast, Puris. 3 Returns. Sparriage goes out. n rises 9 min. after 7, sets 51 min. after 4. y breaks 8 min. after 5.	567910
8 F W. 9 S Sur 10 F Ser 11 M OE	ys increas'd 2 hours and an half. netches and Clocks 14 min. and half too fast, nerifes at 7, and fets at 5. Day 10. ho. Ni. 14 h. lo. ragefims. tab. Pur. 4 Return. rm Ends.	M 0 1 3 4
4 T Day 15 F Val 16 S Sur 17 F Qu	y breaks at 52 m. aft. 4. Twilight ends 8 m. af. 7. Ventine. Day Increased 2 hours. Trifes 3 quarters after 6. fets 1 quarter aft. 5. Linquage firms; or Shrove-Sunday.	5678
T Shaw After T I a	n rifes 3 quarters after 6, sets 1 quart. after 5. n-Wednesday, the first Day of Lent. mbzinge Commencement for Bate of Arts. neels MARIA Born. n rifes half an hour after 6, sets half an ho. aft. 5.	8 9 11 N
A F Quantity W Em	Adragesiona, t Sunday in Lent, Invocavit, Matthias, Day increased 3 ho. 3 quarters. Atches 11 min. 1 quarter too fast. ber-Week. Planetary bour by day 55 min. rises 23 min after 6, set 37 min. after 5. v 11 ho. 18 min. long. Night 12 ho. 32 min.	2 3 4 4 5

SHOT WIFSEMTWIFS EMINTERS EMIN

9 Mib

(rifes

6 A 56

10

II

2

18

30

44

58

6

9

0

42

14

43

fets

4

23

24

17

0

35

31

51

10

l'ines

7A29

10

Morn

Moon, the 2d day, at Noon. Full to the Change, and feeting from the

aft Quarter, the oth day, at Midnight. New Moon, the 16th day, at in the Afternoon. irst Quarter, the 24th day, at 1 in the Morning.

10.

El 2 Sunday in Lent; Reminiscere, MSun rifes 15 min. after 6, fets 3 quart after c. Planetary, or Fewish bours. 58 min. long. W Day breaks 8 min. after 4

1 Diy 11 ho. 48 min. long. Night 12 he. 12 min. Watches and Clocks 8 min. and balf too fast.

S Cyprian. Day and Night equal, or 12 ho, long B 3 Sunday in Lent; Oculi mei Semper ad Dom. M w in Y oth day, at 4 h, 37 m, P.M. [and rifes and

T Watches 7 minutes too fast. fets at 6. Woun rifes 6 min. before 6, and fets 6 min. after 6. T Day increased 4 hours 53 min.

F Prince EDWARD Born. Day break ; qu. aft. 3 S Sun rifes 3 quart, after 5, lets ; quart. after 8. P 4 Sunday in Lent; Lætare cum, Jerusal.

MSt. Patrick. Day 12 hours 32 min. long. I Day breaks 35 min, after 3. Watches 5 min. too faft.

W Sun rifes 40 min, after 5 fets 20 min. after 6. T Cambrioge latter Act, Cuthbert.

F Day br. 3 h. 37. Day 12th h. 50 m. N.11 h 10. mlo. S Days increased 5 hours and a half. F 5 Sunday in Lent; Judica. Planetary bour 64 min. M Sun rifes half an ho. after 5, fets half an ho. aft. 6. T Annunciation V. Mary ; LADY-DAY,

W O ifes at 5, 25, fets at 6. 35. Day 13 h. 10 m. long T Watches and Clocks 2 minutes before Sun-dials. F Day break 9 min after 3. Twilight ends 8. 51.

S Orford and Cambridge Terms end. E 6 Sunday in Lene, Paim-Sund, Dominica Mar. M Sun rises i guarter after c, sets 3 quarters after 6.1

Weather in March, 1739. Rain, 5, 6, 2, 14, 21, 30

1. Snow, 11, 15 Snow'd 24 hours 17. Froft, 1, 2, 125 8, 16, 17, 18, 21. Wind, 6, 7, 8, 9, 10, 11, 12, 14, 15 6, 17, 25. Warm, 14, 21, 23, 31. Barom heighth, 9, 6, 29, 8, 29, 2, 28, 8, 28, 8, 29, 3, 29, 8,

SISt. David.

1

6

9 0

1 Morn

4

)

Morn

Full Moon, the 1st day, at 5 in the Morning Last Quarter, the 8th day, at 7 in the Morning. New Moon, the 15th day, at 2 in the Morning. First Quarter, the 22d day, at 8 in the Evening. Full Moon, the 30th day, at 3 in the Asternoon.

Sul

Rai

All-Fools day. Day 13 hours 34 min. long.	17 A
2 W un rifes 11 min. after 5. fets 49 min. after 6.	100000
3 T Maundy Thursday. 4 F Good-Friday. Our SAVIOUR's Crucifixion.	10
Confest Washer on John Jiel Could and and her	
5 & GoodClocks, Watches and Sun-dials, should go together E EASTER-DAY. Our SAVIOUR's Resurrection	G
MEafter Monday	1
7 M Easter-Monday 8 T Easter-Tuesday.	1 2
9 W. Watches bave loft 1 minute of the Sun, be being fwifte	
o T Planetary bour by Day 71 minutes long.	3
F jun rises 54 min. after 4, sets 6 min, after 7.	3
2 S Parriage comes in.	1 4
3 E Sunday after Eafter; Low-Sunday, Quafimodo	
4 M Day 14 hours half long. Night 9 hours and an half	4
5 TPrince WILLIAM Boin.	1
W Orford and Cambringe Term begins.	9 A
7 T Day break at 4 min. aft. 2. Twilight ends 56 m. 9	.10
F Watches 3 minutes too flow.	u
S Sun rifes 39 min. after 4, fets 21 min. after 7.	Morr
E Sunday after Eafter; Misericordia,	0
MQuind, Pasch, r Ret.	1
T Planetary bour 1 14. Day increas'd 7 ho. 31 min	1
WEafter Tenn beg. St. George, Cha. and Fort.	2
T Sun rifes half an ho. aft. 4. fets half an ho. aft. 7.	2.
F St. Mark, Evangel R.	3
S Days 15 ho. 6 min, long. Lengthen'd 7 ho. 44 m	3 2
Es Sanday after Eafter, Jubilate.	3
MTref. Pasch. 2 Ret. Day break 19 min, after 1.	3 5
T Watches too flow 4 minutes.	4 9
W Sun rifes 20 min. after 4, fets 40 min. after 7.	d ri

Weather in April 1739. Rain, 1, 2, 7, 8, 12, 13, 16, 27, 23, 24, 25, 30. Windy, 1, 2, 3, 4, 5 8, 9, 10, 20, 21, 22, 23, 29. Snow, 4, 22 Very cold from, 4, to 11 Extream cold, 21. Warm, 11. Barom. 29, 4, 29, 3, 29, 2, 29, 4, 29, 2, 28, 9, 29, 1.

740.

Last Quarter the 7th day, at 1 in the Afternoon. New Moon, the 14th day, at 2 in the Afternoon. First Quarter, the 22d day, at 2 in the Afternoon. Full Moon, the 30th day, at 1 in the Morning

		1.	ATTENDED TO A STATE OF THE STAT		
I	1	T	St. Philip and Jacob. Watches 4 min too flow.		A49
ı	2	F	Day breaks at 1. Twilight ends at 11.	10	2
ı	3	S	Sun rifes 1 quarter after 4, fets 3 quarters after 7	11	11
ı	4	12	s Sunday after Eafter. Cantate.	M	orn.
ı	5	M	Mens Pasch. 3 Returns. Mestminster Election.	0	8
ı	6	T	Day increas'd, and Night shorten'd 8 h. 1 quart.	0	54
ı	7	W	Sun rifes o min. after 4, fets 51 min. after 7.	I	30
ı	8	T	Day 15 ho. 44 min. long. Night 8 ho. 16 m. long.	2	0
ı	9	F	Watches and Clocks 4 min. too flow.	2	24
ŀ	0	S	Marriage goes out.	2	46
			Rogation Sunday, & Sund, after Eafter, Jucundit,	3	6
1	12	M	Rogation-Weck. Quind. Pasch. 4 Return.		27
ľ	13	T	No real Night, but Twilight till 14th of July.	3	47
			Sun rifes at 4, sets at 8. Day 16 ho. Ni. 8 ho. long		icts
			Holy-Thursday; or CHRIST's Ascention.		A 5
			Crast Ascen. 5 Returns. Wa. 3m and an half too slow	10	5
			Sun rifes 4 min. before 4, fets 4 min. after 8.	10	50
			6 Sunday after Eafler, Exaudi,	11	38
			Easter Term ends Dunstan.	M	orn.
			Watches 3 minutes flower than the Sun.	0	13
			Sun rifes 52 min. after 3, fets 8 min after.	0	41
			Dzfozd and Cambitoge Term ends.	1	5
			Days 16 ho. 20 m. Night, 7 ho. 40 min. long.	1	27
			Days increas'd 9 hours. Prince GEORGE Born.	1	44
12	5	E.	WHIT-SUNDAY, or the Descent of the Holy Ghost.	2	0
			Augustine. Watch's 2 min. I quarter too slow.	2	18
			Sun rifes 3 quart. aft. 3, fets 1 quart. after 8.	2	39
			Ember-Weck	3	2
			K. CHARLES II. Birth and Return 1665.	3	32
13	0	F	Princeffes AMELIA and CAROLINE Born	0	rifes
13	1	S	Sun rises 3 quart. after 3, sets 1 quart. after 8	19	A 57
10				_	

Weather in May, 1739.

Hot, 6, 7, 8, 9, 13, 19, 20, 21, 22, 23, 25, 26. Sultry, 15, 20, 21, 22, 23. Thunder, 20, 22. Rain, 2, 3, 4, 5, 7, 8, 10, 11, 12 Ba. 3m. 39, 3, 19, 1, 29, 0, 29, 4, 29, 5, 29, 7, 29, 6.

AIS 30 44

111

6 50

2; 51 10

3º fet A ;

14 19 orn.

4 38

21 39 58

98 rife

10, 20. 11

, 3

Last Quarter, the 5th day, at 3 in the Asternoon. New Moon, the 13th day, at 6 in the Morning First Quarter, the 21st day, at 6 in the Morning Pull Moon, the 28th day, at 9 in the Morning	g.
Crast Trin 1 Return. Etin. Col. Dron. Elect. M Crast Trin 1 Return. Etin. Col. Dron. Elect. Tim rifes 41 min after 3. tets 17 min after 8. Priory Trinity Term begins. Now good Clocks and Watches [bould go exactly with the sun R I Sund. aft. Trin I The Grifes about a 5th part Octab. Trin. 2 Ret of a min. earlier per Day. K. GEORGE H. Inaug. St. Barnab. [18 m. aft. 8] I the Sun being flow in his Motion, Watches bave gain'd 1 min. and a half of the Sun, in 7 days. Sun rifes 43 min. after 3. Days shortened 2 min K. GEORGE H. proclaim'd. 2 Sund after Trin Quind. Trin 3 Return. Day 16 ho. 34 min. long Watches and Clocks too fast 2 min. and an half Sun rifes 44 min. after 4, sets 16 min after 8. Day 16 ho. 32 min. long. Days shortned 8 min Watches 3 min. after 3, sets 15 min. after 8. Sunday after Trinity. Day 16 ho. and an half lo. I res Trin. 4 Ret. St. John Baptist; Midsummer-day. Term ends. St. John's College Election. Watches 4 min. utes 100 fast. Day 16 hours 20 min. long shortned 16 min. Sun rises 10 min before 4, sets 10 min. after 8. Sunday after Trinity. St. Peter and Paul. Reteter-Tollege, Election. Watches 4 min and balf too fast.	Morn 0 4 1 1 2 3 3 3 1 1 3 3 1 1 2 3 3 3 1 1 3 3 1 1 2 3 3 3 1 1 3 3 1 1 2 3 3 3 1 1 3 3 3 1 1 3 3 3 1 1 3 3 3 1 1 3 3 3 1 1 3 3 3 1 3 3 3 1 3
Weather in June 1739. Rain, 1, 2, 5, 6, 7, 8, 10, 11, 12, 13, 1 9, 20, 21, 22, 23, 26, 27, 28. Hot, 4, bunder, 17. Wind, 2, 3, 12, 21, 25. Birom. 9, 6, 29, 3, 2), 2, 29, 4, 29, 5, 2 9, 3, 29, 3, 29, 4.	6, 17, 29, 5

W Visitat. Mary. Sun rises 54 min. aft. 3, sets 6 m aft 8 at 7 Day 16 ho. 10 min. long Night 7 ho. 50 min. It Planetary b. by day 81 min Sun due East at 7 h. 9 m at 5 Watches and Clocks shou'd have gain'd 5 min. 10 see 1 min. 10 fee 1 min.	n.
18 F Sun rises 1 quart, after 4, sets 3 quart, after 7, 19 S Dog-days beg. Syrius the Dog-Star rises with the 22. E17 Sunday after Trunky. Day breaks at 1. 21 M Plan bo. 1 bo. 16 m. Days shortned 1 ho. 13 m. 122 T Magdalen.	10 A2 10 A 11 11 3 11 5 Morn 0 1 1 1 4 2 3 3 3 1 1 1 4 2 3 3 3 1 1 1 4 2 3 3 3 1 1 1 4 2 3 3 3 1 1 1 4 2 3 3 3 1 1 1 4 2 3 3 3 1 1 1 4 2 3 3 3 1 1 1 1 2 3 1 1 2 3 3 3 1 1 1 1 2 3 3 3 1 1 1 2 3 3 3 3 4 n 6 8 8 A 5 9 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 3 3 6 1 9 3 8 A 5 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1

140. August hath xxxi Days.		
Last Quarter, the 3d day, at 9 in the Morning. New Moon, the 11th day, at 9 in the Morning.		
First Quarter the 19th day, at 8 in the Morning.		
Pall Moon, the 25th day, at Midnight.		
1 F Lammas-Day. Cocks and Watches 4 min. 1 too faft.	9	A 56
Day breaks at 2 a-clock, Days shorten'd 2 hours.	10	
3 E 9 Sunday after Trinity. 4 Moun rises 3 quarters after 4, sets 1 quarter after 7.	10	44
The state and an half land Nicht a ha and half	II	14
5 T Day 14 ho, and an half long. Night 9 ho, and half W Day breaks 1 qu. after 2. Twil. ends at 9 and half	M	50 orn.
T Good Pendulum Clocks and Watches hould be	0	34
T Good Pendulum Clocks and Watches, should be }	I	27
S sun rifes at 53 min. after 4, fets 7 min. after 7.	2	26
CE to Sunday after Trinity. Lawrence.		31
I M Planetary bour 70 minutes. Sun due East at 6. 38.	3	fet
2 T Sun rifes at 5, fets at 7. Day 14, Night 10 h. long	7	A 56
3 W Watches too flow 2 min.	8 8	14
4 T Days shorten'd 2 hours 3 quarters.	8	30
5 F Sun rifes 5 min. after 5, sets 5 min. before 7.		48
6 S Day 13 hours, 46 min. long. 7 E 1 Sunday after Trinity.	9	8
8 M Day breaks 52 min. after 2. Planetary bour 68 min.	9	29
o T Good Watches and Clocks Shou'd keep Time exactly ?	9	2'
W with the Sun, bis Motion now being more swift.	11	9
T Sun rises 1 quarter after 5, fets 3 quarters after 6.		orn.
22 F Day 13 h and half long. Night 10 ho, and half long.	0	-
3 S Pendulums have lost 1 min. of the Sun.	1	20
At 12 Sunday after Trinity! St. Bartholomew.	2	39
M Day breaks 13 min. aft 3. Planetary bour 66 min.		
26 T Watches 2 min. too flow.	1	rife
27W Dog-days end. Sprins rifes at 3 in the morning 28 T Sun rifes half an ho. after 6, f. ts half an ho. after 6.	8	A4
19 F The Crepusculum, or Twilight's ending is when the	8	1000
So Sun is got full 18 Degrees below our Horizo	8	
Sile 13 Sunday after Trining. Wast. 3 m. and 1 too flow	1 9	2
Weather in August 1738. Rain, 1, 5, 6,	9,	10
11. 14. 15. 17. 18, 10, 21, 22, 23, 24, 25.	Vine	d,
2. 2. 4. 8. 12. 14. 15. 20. 21. 24. Hot, 1, 7,	25	, 2
30, 31. The height of the Barons every 4 days, 29,	, 2	9,

A 56

fets

7,

Last Quarter, the 1st day, at 9 at Night.

New Moon, the 10th day, at 1 in the Morning.

First Quarter, the 17th day, at 6 in the Evening.

Full Moon, the 24th day, at 9 in the Morning.

١.	M Sun rifes 38 min. after 5, fets 22 after 6.	9 A 57
	T LONDON Burnt, 1556.	10 40
	Watches 4 minutes too fast.	11 30
3	T Day breaks 3 qu. aft. 3. Twi. light ends at 8 1 qu.	Morn.
4	F Sun rifes 3 quarters after 5, fets t quarter after 6	0 26
0	S Day 12 ho. and an half long. Days short, 4 ho. 1 qu.	1 29
-	E 14 Sunday after Trinity.	2 34
8	M Watches and Clocks should be 6 m. and 1 aft. the Sun.	3 41
0	T Day breaks at 50 min. after. 3.	4 47
	WDays shorten'd 4 hours and an half) fet
	T Equal Day and Night in all the Habitable World-	7 A :
12	m m	7 2
2	S Watches 8 min. too flow. Planetary bour 58 mim.	
1	E 15 Sunday after Trinity.	7 44
15	M Sun rifes 7 min, after 6, fets 53 min. after 5.	8 30
	T Day break 38 min after 4 Watches too flow 9 min.	9 13
	W Ember-Week.	10
	T Day 11 ho. and half long. Night 12 ho, and half.	11 6
19	F Sun rifes i quart, after 6, fets i quait, before 6	Morn
20	S Watches to flow 10 minutes.	0 20
2 1	E 16 Sunday after Trinity St Matthew.	1 4
22	M Planetary bour 56 min. Sun due East 5 hours 48 m	3 5
23	T Day breaks 25 min after 4.	4 34
4	WWatches too flow 11 min. 1 quarter.	5 5
	T Day 11 hours, Night 13 Hours long.	& rife
	F Sun rises half an ho, after 6, sets half an ho bef, 6.	7 A
27	S Watches too flow 12 min. Day breaks 34 m. after 4	7 2
	B 17 Sunday after Trinity.	8
20	MISC. Michael, the Arch-Angel.	8 4
20	T Sun rises 37 min. after 6, sets 23 min. after 5	9 2

Weather in September 1738. Rain, 2, 3, 4, 7, 8, 10, 11, 14, 15, 18. Wind, 1, 4, 6, 7, 8, 9, 10, 11, 18, 19, 29. A Charming fine feafon from 18 to 26 like Summer. B1. 29, 5, 29, 4, 29, 3, 29, 7, 29, 5, 29, 4, 26, 6, 29, 5, 29, 7.

1740. October hath xxxi Days.	
New Moon, the 1st day, at 1 in the Afternoon. New Moon, the 9th day, at 5 in the Afternoon. First Quarter, the 17th day, at 2 in the Morning Full Moon, the 23d day, at 8 at Night. Last Quarter, the 31st day, at 9 in the Morning.	O fis
Watches 13 minutes and 1 quarter too flow. Day 10 ho, and half long. Night 13 ho. and half, sun rifes 3 quarters after 6, fets 1 quarter after 5 Good Pendulums will be 14 min flower than the Sun. 18 Sunday after Trinity. Days shorten'd 6 hours and a quarter. Day 10 ho. 16 min. long Night 13 ho. 44 min. Sun rifes 6 minutes before 7, fets 6 min. after 5. Dennis. Day breaks at 5 a-Clock. Deford and Cambridge Terms Begin. K. GEORGE II. Crown'd. Watc. 15 min. too flow. K. GEORGE II. Crown'd. Watc. 15 min. too flow. According to the Equation of Natural Days, good and According to the Equation of Natural Days, good and T Pendulums Cl. & Wat. flould be 15 m. aft. the start of T Sun due East 5 ho. 19 min Planetary bour 48 min. Day breaks 8 m aft. 5. T. Sun due East 5 ho. 19 min Planetary bour 48 min. Day breaks at 11 min. aft. 5 Watc. too fast 14 m. St. Luke, Evangelist. Day 9 ho and half long. E 20 Sunday after Trinity. Sun rifes 1 quart. aft. 7. M. Tref Mich. 1 Return. Day 9 ho. 22 min. long. W. Princess of OR ANGE Born. T. Michaelmas Term begins. T. Sunday after Trinity. Mens. Mich. 2 Return. Day 9 hours long. T. St. Sunday after Trinity. Mens. Mich. 2 Return. Day 9 hours long. T. St. Sunday after Trinity. Mens. Mich. 2 Return. Day 9 hours long. T. St. Sunday after Trinity. Mens. Mich. 2 Return. Day 9 hours long. T. St. Sunday after Trinity. Mens. Mich. 2 Return. Day 9 hours long. T. K. GEORGE II. born 1683. Sun rifes 37 min. after 7, sets 23 min. after 4:	0 3 3 2 4 3 5 6 A 1 5 6 A 2 1 3 4 5 5 6 3 3 4 5 5 6 3 7 2 8 1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5
The Weather in Ottober 1738. Rain, 4, 5, 6, 3, 18, 19, 21. Wind, 8, 10, 11, 12, 15, 2 4, 26. Warm days, 14, 17, 25, 26, 28, 29. 0, 17, 18. Barom every 3d. day, 29, 7, 29, 2, 9, 4, 29, 0, 29, 6, 29, 5, 28, 8, 28, 9, 29, 3, 29,	Fro 92,

40 Pi

Vin Ter 3, A 24

orn

31

38

45

52

56

lets

16

43

20

5

0

9

26

orn

48

JO

24

58

rifes

28

59

36

21

15

14

18

24

3,

5'

26

New Moon, the 8th day, at o in the Morning Pirst Quarter, the 15th day, at 10 in the Morning. full Moon, the 22d day, at 9 in the Morning Last Quarter, the 30th day, at 6 in the Morning. SAll Saints Day 8 hours 40 min long. Morn-E as Sunday after Trinity. All Soils 9 31 M Craft. Anim 3 Ret. 311= Douls=Coll. Election. T Sun rifes 3 quar, after 7. fets 1 quart. after 4 4.5 WGun-powder Plot, 1605. Watches 15 min. too flow. T Day 8 ho, 26 min. long. Day break at 40 m. att 5. F Day shortned 6 hours 1 quarter. 11 S Sun rifes 51 min, after 7, fets 9 min. after 4. fet: E 13 Sunday after Trinity, 5 A 15 M Watches 14 min. and 3 quarters too flow. T Martin, Bishop. Day 8 hours to min long. W Craft Mart. 4 Return. Day breaks 46 min aft. 5 58 T Watches 13 min. too flow. 11 4 F Days shortned 8 ho 34 mir. break 50 min, aft 5 32 S Sun rifes at 8, fets at 4. Day 8 ho. Nig. 16. ho. long 53 E 24 Sunday after Trinky. Morn. M Day breaks & 1 min after 5. Planetary hour 40 min 12 T Octab. Mart. 5 Returns. Watches 11 min. too flow 33 Wirincess of WALES Born. 54 Day breaks 55 min. after 5. Day 7 ho. 48 min. lo. 15 F Watches too flow 10 minutes. 2 S Sun rues 9 min. after 8, fets er min. after 3. rues E 25 Sunday after Trinity. Clement. 4 M Days shortned 9 hours. 52 5 T Quind Mart & Return, Catherine 6 W. Sun rifes 12 min after 8, fets 48 min. after 3. T Baliot College Election. 9 8 F Day-light begins and ends at 6 Term ends, 10 o S Barriage goes out. Waie 6 min. 3 qu too flow. 11 DE Advent-Sunday, St. Andrew, Apolitics Weather in November 1738. Rain, 19, 20,

Wind, 8, 10, 17, 18, 19, 21, 22, 25, 28, 29, 30. Tempestuous 25. Frost, 4, 20, 12, 17. Warm. 1, 2, 12: 3, 14, 15, 18, 30. Barom. 19, 5, 29, 7, 29, 5, 9, 5, 29, 7, 28, 9, 29, 2, 29, 3, 29, 1

1740. December hath xxxi Days.

New Moon, the 7th day, at 11 at Night. First Quarter, the 14th day, at 7 in the Evening. Full Moon, the 21st day, at Midnight. Last Quarter, the 30th day, at 3 Morning T. Compet 1 M un rifes 16 min. after 8, fets 44 min. after 3. Mort 2 T Day 7 hours 28 min. long. Night 16 hours 32 min. 3 W Day breaks 2 min. aft. 6 a-Clock. Wate. 4 min. & flow 2 4 Day shortened 9 hour 1 quarter. 5 F Sun rifes 17 min. after 8, fets 43 min. after 3. O S Planetary hour by Day 37 min. by Night 83 min. 7 7 E 2 Sunday in Advent. Princes LOUISA Born 8.M Watches 2 min, and a half too flow. of The greatest shortning of the Days is 9 ho. 12 min. 5A 10 W Sun rifes at Coventry 18 min after 8, fets 42 m. ? 6 8 after 3. Shortest day, 7 hours 24 min. long. 12 F Day breaks 3 min after 6 9 13-6 Now good Clocks, Watches, and Sun-dials go together Morn 14 E 3 Sunday in Advent 1. M Sen rifes 17 min, after 8, fets 43 min. after 3. 0 16 TO Sapientia. Dav increased 2 minutes. I 17 W Ember-Weck, Drford and Cambringe Terms End 2 18 T No w good Pendulums bave gain'd 3 min. in 6 days. 4 19 F Day 7 hours and an half long. 5 20 S Sun rifes 1 quarter after 8, fets 3 quarters after 3. 21 E & Sunday in Advent, St. Thomas, Moon Eclips'd. 22 M Day Increas'd 8 min. Day breaks at 6 a-clock. C rile 23 T Sun rifes 13 min. after 8, fets 47 min. after 3. 5 A 2; 24 W Day 7 hours 34 min. long. 6 30 39

25 T C H R I S T.M A S-D A Y.
26 F St. Stephen, Proto-Martyr.
27 S St. John, Evangelist.
28 H Sunday after Christmas. Innocents,
29 M Watches and Clocks 8 minutes too fast.
30 T Sun rises 7 min. after 8, sets 53 min, after 3.

31 W Day 7 hours 48 min, long. Night 16 hours 12 min,

11, Weather in Decamber Rain, 3, 6, 7, 1738. 9> Wind, 2, 3, 6, 7, 14, 20, 12, 16, 18, 25, 29. 21, Freit, 12, 13, 14, 19, 21, 22, 2.29 24 25, 29, 31. Snow, 21, 22, 25. Warm, 2, 6, 10, 17. Barom 30. 29, 4, 29, 29, 1, 28, 8, 9,

8

9

10

Morn

57

10

20, 4, 28, 9, 29, 2

ITHIN the Sphere of the Earth's Orbit, will happen fix Eclipses this Year; three Times will the Moon in her wandering Course, erpose and hide the Splendor of the Sun's Rays from falling on the Earth, its Atmosphere: And thrice will the Earth, in her Course, so fall in a ne between the Sun and Moon, as to hinder her receiving the Light rowed from the Sun, to enlighten the Earth by Reflection.

)) Ecl. 2 fan	. 10 Night.	_	eg.			End.		Dur.		D	ig.
rom Aftron. Car	. Coventry -	H	M 1134	x	28	x	1 18	Im	48	20	51
from Mr. Chatton	k London -	8			27	122		1 4	100	21	41
Ar. Leadbeater	London -	3	30		25		20	3		1	29
Ar. Peachey	Mildenball	1 8			-3	12		3			-7
Ar. Bamfield,	Honiton -	6	18	7	44	9		1 3		16	-
	London -	8	31		20	12		, ,		1	71
to Man in	Pari_	8	41	10		12		(
Mr. May, jun.	Amsterdam	8	50	10	48	12	46	3	55		
	Coventry	8	27		25		23 -)			
An Amanuenfis,	London -	8	32		26	11		1 3	50	20	30
Mr. Robinson,	5 Guifbrough	8	7	10	6	12	5	7	-	1	
Mr. Roothjon,	Wbstby -	8	9	10	8	12	7	3	58	21	12
8	Cleobury -	8	30	10	24	12	13	1	7		
Mr. W. Brown.	London -	8	40	10	34	12	28		(
MI.W. Drown,	Paris -	8	49		43	12			- 7	20	52
	(Madrid -	8	26		20	12			7	. 3	
	[London -	8	42	10	40	12	38	3	58	22	30
Mr. Ab. Donn,	Bideford-	8	24	10	22	12			3-		-
Maria Special y	Virginia	3	42	5	40	7	38		1	1	
Friend Montague,	London	8	37	10	32		27	3	50	21	13
Leadb.	London -	8	Io	10	9	12	87			*	
Mr. Tables	Sunderland		5	10	4	12	3	3	58	21	Ja
wit.	Morpeth	8	4	10	3	12	2		-		
Far-) Scien.	London -	8	31	10	25	12	20				
er. Steta.	Sunderland	8	26	10	20	13	15	2	49	20	29
(Morpeth	8	24	10	19	12	13		.		
	London -	9	I	10	30	12	25)			-
	Edenburgh	8	50	10	19	12	14(
Mr. J. Bulman,	Dublin -	8	33	10	2	11	57 7	3	24	20	28
	Carlifle	8	50	10	19	12	14				
	Deptford	9	2	10	31	12	26)			- 1-1
Mr. T. Glaspool,	Winchester	8	27	10	22	12	17		-	20	
	Aglifham	8	31	10	26	12		3	50	20	40
(London	8	32	10	35	12	38				
Mr. Jo. Taylor,	Spaith -	8	28	10.	31	12	34	12			-
Aftr. Anglica,	Coventry	8	26	10		12	32	4	6	21	30
· Kura,) Ferufalem	II	34	13	37	15	40	400	1		
	Liverpool	8	22	10	-		28				1
Mr. Cutb. Cathon,	amton, Dur.	8	29	10	. 4		16	3	46	20	31
Mr. R. Hughi,	Pentrefioden	8	341	10	27	12	21	3	47	20	
				B						Mr.	7

Compe Mort

Morn 0

4

10 11,

21, 24 Barom

32

2 The Moon's Eclipses 2 Jan. and 21 Decemb.

and the of the last of the party of the part	H. N	1. H.	M.	H. M.	H. M.	D. M.
Mr. J. Wilson, Morpetb -		5 10				21 14
Mr. J. Hilton, -	- 8 1	5 10	9	12 2	3 47	
Mr. P. Pilbrow,	- 9	0 11	5	12 54	3 54	CT VIOL 1
Mr. 7. Canton, -	- 8 2			12 18	3 56	
Mr. T. Sparrow, Edmundfour	y 8 3	2 10	27	12 22	3 50	20 27
	- 8 2	9 10	24	12 18	3 48	
Mr. W. Leighton, & London -	1 8 3	9 10	33	12 27		
Mr. Cb. Facer, Watlington	8 3	4 10	30	12 26		20 50
Mr. W. School - (Aftr. Inftan	4. 8 I	7 10	23	12 28	4 10	
Aller Garai	1 8 3	6 10	30	12 24	3 47	20 51
croft at Ho- Scien. Stell				12 16		20 28
vington, York-) Flamft. T.	8 2	8 10	24	12 23	3 55	21 5
Shire, by (Leadbetter	1 8 2	2 10	22	12 21		21 10
Mr. J.B. Smith, Oxford -	8 2	6 10	24	12 22	3 56	
Mr. Jo. Benwell, Highworth		1 10	17	12 13	3 51	20 50
Mr. Couper, Wellingborow		1		12 18	3 54	20 37

2d Eclipse is of the Sun, 17 Jan. at 8 at Night, invisible to us. 3d Eclipse of the Sun, 13 June at 2 in the Morning, invisible. 4th Eclipse of the Moon, 28 June at 9 in the Morning, invisible. 5th Eclipse of the Sun, 7 Decemb. at 11 at Night, and invisible,

5th D Ecl. 21 Dec. 11 Nig.		Beg.	Mid.	End.	Dur.	Dig.	
= 6.		н. м.		1	A 97 TV		
By Aftron. Caroline,	Coventry-	X. 22	XJ.36	XIIso	II. 29	5 42	
Mr. Chattock	London -	10 21	11 49		2 56	7 17	
	London -	10 32	11 48	1 4	.2 32	5 49	
Mr. J. Peachey,	Mildenball	10 16	11 36	12 56	2 40	6 6	
	Honiton	9 43	11 5	12 27	2 44	6 32	
	London,	10 25	11 53	I 21			
Mr. J. May,	Amsterdam	10 44	12 12	1 40	2 56	6. 33	
	Peter fburg	12 26	I 54	3 22			
Annus Amanuen.	London	10 34	11 48	1 7	2 36	5 40	
	Guifbrough	9 59	II 20	12 41	2 42	6 2	
	Cleabury -	10 17	11 32	12 46	ATCES -		
Mr. W. Brown, 3	Dublin -	9 59	11 14	12 28		5 4	
S OF S	Biddeford	10 25	11 44	1 3	2 38	6 1	
Mr. Ab. Donn, 3	Virginia	5 43	7 2	8 21			
	London -	10 36	11 59	1 23	2 47	7 5	
	London	10 33	11 49	1 57		-	
Mr. N. Farrer, }	Sunderland	10 28	11 44	1 0	. 2 32	5 49	
	Morpeth	10 27	II 43	12 59			
	London -	10 30	11 51	1 8 1			
Mr. J. Bulman,	Carlifle -	10 19	11 40	12 57	2 38	5 5	
	Deptford	10 31	11 52	1 9	STATE OF THE PARTY OF	F- 134	
	Winchester	10 31	11 13	1 51	2 347		
	Notingbam .	10 36	11 52	1 7	2 31	- 5 1	
	Bungay	10 34	11 51	1 7	12.72	7	

b.

21 10

Dig.

5 42

6 32

6. 33

5 46

6 27

5

5 49

5 51

5 18

		H.	M.	H.	M.	H	. M.	H	Mr	D.	M.
	C London	10	18	11	42	I	0	1		1.	
Mr. Jo. Taylor,	Snaith	10	14	11	39	I	5	2	51	7	9
E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Liverpoot	10	10	11	33	112	59)	4		
Mr. Cuth. Cockfor Mr. R. Hughs,	n, Lamton	10	26	11	42	12	59 1	2	32	5	48
Mr. R. Hughs,	Pentreffoden	10	30	11	44	1	5	2	25		
Mr. 7. Wilfon,		10	27	11	42	12	57	2	33	5	54
Mr. 7. Hilton,		10	16	11	30	.12	45	2	29	5	43
Mr. J. Canton,	5 London -	10	32	11	52	1	12 7	2	40	6	19
Ivir. J. Canton,	2 Stroud -	10	23	11	43	1	3 5	5	40		
Mr. T. Sparrow	Edmondsbury	10	34:	11	50	1	6	2	32	15	48
Mr. Cha. Facer.	Watlington	10	21	II	36	12	51	2	30	- 5	43
	(York,	10	23	11	44	I	57	1	3.3	4	
Mr. Schooleroft,	{ London,	10	27	11	48	1	95	2	41	6	24
	I teru alem	12	40	2	IO	3	31	211 V	177		2 - 1
Mr. 7. B. Smith	, Oxon -	10	27	1-1	46	1	51	2	38	6	2
Mr. J. B. Smith Mr. J. Benwell,	Highworth	10	26	11	42	12	58	2	32	15	44
Mr. T. Cooper,	Wellingborow	10	14	11	34	12	54	2	39	6	13

Mr. W. Schooleroft gives the Transit of Mercury over the Sun 21 Apr. 1740, invisible at London, but may be seen in the western parts of America. The beginning at 10h 22' at Night, Middle 11h 41'; End 1h 1' in the Morning; Duration 2h 39'; apparent Time at London.

Venus over the Sun 26 May 1761. apparent Time at York, beginning

at 2h 26' Morn. Middle 5h 30'; End 8h 34'.

At Griff in Warwickshire, the Quantity and Times of the Sun's Eclipse 24 $\mathcal{J}u/y$ 1739, was observ'd: At 3h 25' Afternoon near 2 Digits: 3h 32'=3 Digits; 3h 35'=4 Digits; 3h 56'=5 Digits; at 4h=7 Diges; at 4h 34' the middle near 8 Digits; at 4h 50' = 6 Digits; at 5h 1'=5 Digits; at 5h 13'=4 Digits; at 5h 20'= 3 Digits; at 5h 26' = 2 Digits; at 5h 30' = 1 Digit; at 5h 32' the End.

A Latin JENIGMA by Terpliphilus.

Lubrica aspectu, dominæ sagaci Vernula infignis, fine dente Mordax Helluo, a naso vel ad umbilicum

Rictibus bifco.

Pendulum cernas laqueo, aut Jacentem Nunc crucis, nunc ad gladii figuram; Cruribus totam veluti & lacertis,

Corpore nullam.

Palpebris clausis caritura, distant Sæpe majori spatio, levique Invicem se sæpius osculantur

Lumina tactu.

Hisce conjunctis, venia magistræ, Admodum simplex videor; remotis, Quinquies duplex, eadem jugali: Jure bimembris.

B 2

Sint licet nunquam fera bella cordi, Attamen summis animoses heros Visibus cessit mihi: dux suberbi

Fæmina facti.

II. Latin ÆNIGMA, by B. B.

Breseere me latitans Matris vis cogit: in altum,
Principio parvus, tempore surgo brevi.
Squallentes niveo surgunt e vertice Cani:
Candidior Cygno est Frons mea; lave caput.
Pingue mihi Collum non est; nec Fruncus obesus:
Membraque longævum plurima Corpus habet.
Me decorat crebrò splendens, Auroque corusca

Vectis, qua tectum quisque Britannus amate. Sæpe Viris socium magnis me jungo superbus, Queis animi fastu (me comitante) tument.

Vix mihi fert unquam mortem matura Senectus; Sed folita est Hominum trux jugulare manus. Immeritus solvo pænas, & Vulnera lædunt

Innocuum: forti Pectore cuncta fero.

Sæpe Caput Mulier ferro Cervicibus aufert;

Proh Pudor; at sævam Mors mea flere facit.

Illa ferox (Vitâ functo me) confcia facti
Sanguinei, lachrymis Ora rigare folet.
Ambrofios raro fentit Mactator Odores;
Nam citò fætorem mortuus edo graven.

Ne tibi nunc videar parvo dignandus honore, Suppliciter quondam me coluere Viri.

Pontifices donis Aras Aravere facratis, Et mihi follicità voce dedere preces.

Quare, Sagax, Quis sum: Si me reperire valedis; Cultus apud Veteres en tibi Servus ero.

Answers to the Ænigma's in the last Year's Diary.

231. A SHOE.

233. All Fool's Day, the first of F

334. A MINCE PYD.

235. The KNAVE of Clubbs.

L

A

W

0

L

L

WH

S

H

I

N

236. TIME.

Prize. A blacklead PINCIL.

2 Cards.

All the ÆNICMA's answered by Geronto, in the following Anaoreentique, humbly address'd to Miss W-t-n-ll of Na--w-h.

CHARMER - let's enjoy the Hour Whilst we have it in our Pow'r; The Flower you find in APRIL gay Rarely lives to fee out May:

Æn. 3.

Or in its Bloom yet, fome rude KNAVE	5
Plucks, and fends to Button hole Grave:	mountain
Then, fince no Flow'r or PENCIL shows	Pris
Then, mice no right to refer them	
Half the Graces you disclose,	
May no fuch ever fieze the Prize,	
Those Diamonds sparkling in your Fyes:	
Come then - lay the CARDs afide,	2 Lat.
And reap the Pleasures of a Bride:	Action so
	with admit
Let me in vain no longer Sur	
And beg for kindness yet from you:	
Love has fwifter Wings than TIME,	6
And DEATH oft nips us in our prime:	2
	512 desc5
Then MINCE no longer nor be coy,	4
The fleeting Pleasure let's enjoy;	
Since 'tis to you alone my Soul	
Points true as NEEDLE to the Pole.	I Lat.
	1

All the ÆNIGMA's answer'd, by Mr. W. Chaple.

LET youthful Sparks their precious TIME employ, At CARDS or Dice, or with the Wenches toy, 5. 2 Lat. Who all their Beauty to the PINCIL owe, z Lat. And of their NEEDLE very little know, Let the Ambitious, Honours still pursue, And wish'd for Titles at a Distance view: Which when obtain'd by Flattery and Smoothing, They grafp (like APRIL-FOOLS) an empty Nothing; Let Gluttons at MINCE PYES, themselves regale, Or Drunkards drown their Senses in their Ale, Let Misers clad in Rags, with Sandals SHOD, Lock up in Chefts their Gold, their Demi-God: But grant, ye friendly Destinies that I. Like the contented Man may live and die: Who free from anxious Cares fits down fecure, Whom none of all those glitt'ring Baits allure. His Mind's at ease, let Fortune smile or frown, Steddy; not foon puff'd up, nor foon cast down. 'Tis he is truly happy, truly wife, He envies not the Rich, nor doth the Poor despile,

Answer'd by Mr. R. Buckley.

The * TAYLOR, b SHARPER, C COBLER, and the 4 QUACK,
The * PASTRY COOK, the greatest f Knaye i'th'Pack,
Who 8 DRAW Designs, and mock, unthinking h Fools,
Solve all: But grant them TIME — and Stuff and Tools.

In Peace he lives, in Peace refigns his Breath, Not fond of Life, nor fearful of his DEATH,

Ina-

A Needle. Cards. Shoe. A Death. Mince Pye, & The

B 3

Z

B	Mrs.	Arabella	Atkinfon.	
---	------	----------	-----------	--

The First of Afric is as fure as Fate,
New Shors, MINC'D Pyes, and PAM, on Christmas wait. 1. 4.5
My Blacklead-Pencil Riddles shall explore Pri.
Till TIME and DEATH, shall be no more. 6. 2

An Answer to the Anigma's, by Scholasticus.

1
2
3
6
4
5
ri.

By Mrs. Eliz. Cottetell of Bewdley.

A Schoolmistress I am by Occupation,
But I believe the youngest in the Nation; (about 18.)
NEEDLE in hand I oft improve the Fair, Lat.
Sometimes in Anger, tell how dull they are.
No CARDS I fuffer, fo no KNAVE I fear, 1 2 Lat. 5
But with my PENCIL, I my Lines do steer.
My Shors are num'rous, not very good, 102 1
MINC'D-PYE to me is but superfluous Food.
My Girls I learn their precious Time to prize,
Lest DEATH, shou'd on a sudden seal their Eyes. 2
In answer to the Ænigma's this I offer,
An April-Fool may be allow'd to proffer.

Answer'd by Rusticus, in the Advice of Prudentius to his Son, about to get a Wife.

Prudentius to his Son, about to get a Wife.	
FAIR let her be, and sprung from generous Blood;	
In Virtue train'd, and prone to every good.	
Whether in Silk, the tread, or Leathern Suoz,	1
If thus adorn'd the lovely Maid purfue.	
In all her Dress, let modest Nature guide,	71
And keep her from the uscless Pomp of Pride.	went and the
If the with PENCIL note the Actions of the Great,	Pri.
Or with her NEEDLE work fome glorious Feat,	Lat.
Let there in both appear a generous Strife,	to Service St.
To vie with Nature, and outdo the Life.	
To CARDS averse, and KNAVE with painted Coat,	2 Lat 5
Her TIME to useful things the should devote:	2 Lat 5
	Expert
	4

		•
1.	4. Pri 6. 2	3
	6. :	
	1	
	2	
	3	

18.1 Lat. at. 5

3

on,

at.

expert to build in every Shape and Form, he annual PyE, thy Table to adorn. o fuch a Woman, then devote thy Love, will DEATH demands thee to the World above; nd tho' thou married be on April Day. None fure will take thee for a Fool in May.

Answer'd by Mr. Geo. Trim.

As I was whifeling to my Plough, felt my felf I know not hew. My Heart cry'd Joult, my B'ood ran cold, My Fingers straight for fook their hold, Ive oft a Match at Foot-ball play'd, Was ne'er of Cudgel play afraid, What means this trembling then all o'er? 'Tis plain as A, B, C, Such Pains I never felt before, O pity, dearest Nell, I faid, Who never lov'd another Maid. Cou'd I the PENCIL handle well, I'd draw thy Picture, levely Nell,

You Men have all the Arts, the cry'd, You use us when our Frailty's try'd, "Then how like APRIL-FOOLS we look? Like hot MINCE-PYE in May, 3.4 "By ev'ry nicer Tafte forfook,

But, Dick, if you in earnest prove, By Constancy first shew your Love,

They were answered also by Mr. Houre, Crifpin, Mr. Mobs, Mr. Wilfay, Mr. Stewart, Infanus, Mr. J. Watts, Mrs. Ded, Col. Dagger, Mr. Adamson, Mr. Williams, Juvenis, Philogynus, Addescens, Blowsabella, B. B. Pfittacus, Old Gentry, Mr. J. Collier, Cottilus, Mr. N. Farrer,

Mr. Bird, Mr. J. Curlefs, Mr. Alcoca, Mr. Il. Johnson, Mr. T. Clifton,

Vedastus, Downright Thump, Tom. Tickie, Mr. R. Wearing, Puzzele, and many others which may be feen in the Catalogue at the End, which room would not admit in showing a Variety of curious Verses.

Answers to the Questions, 1739.

The 205th Ducftion answer'd by the Proposer 1. Turner.

Let AB = x; AC = 14 = b; CB = 22 = c; cc - B? bb=288=m; Then the Cofine of the Angle BAC =

: but the Arch CE = 4x = nx; and the Radius = b; confeq. the Cofine of the faid Arch = b -O ic noxx , n4x4 n6x5 72065 &c. Therefore - pxx + qx4, &c. From which Equation by con-

verging Series, the Value of x comes out = 28,9443: And the Angle BAC = 47 Degrees 17 Minutes.

brisk Nell by chance came by ; nor guess'd the Reason why. I fcarce cou'd draw my Breath. and I turn'd pale as DEATH. my Shins had many rubs, nor any KNAVE of CLUBS.

are fure for Love of thee, pity a Love-fick Swain t nor ne'er will love again. or skill the Painter's Art, Pris and wear it next my Heart. and what can Women do?

just like a worn out SHOE! regardless thrown away.

and mean for me to tarry : 'tis TIME enough to marry. 6

170

Merones answers this Question thus:

Let the Radius AC = r; CB = s; take an Arch p, as near CE as possible, let a = its Sine; b = its Cosine to the Radius, and let p + z = CE; and per Quest. $p + \frac{1}{2}z = AB$; also the

Cofine AP =
$$b - \frac{az}{r} - \frac{bz^2}{2rr} + \frac{az}{6r^3} + &c$$
. And BP - AP = $\frac{az}{r} + \frac{b}{r}z^2 - \frac{az}{3r^3} - &c$. different Segments of the

Base. But by Ax. 4th of plain Trigonom. & p+ & z: s+r::
s-r: dif. Segments. Whence we have

$$+ \frac{54p}{7} + \frac{56p}{2r} + \frac{56p}{2rr} + \frac{56p}{6r^3} + \frac{56p}{6r^3} + \frac{56p}{56p} = R.$$

$$+ \frac{25p}{2} + \frac{56}{7} + \frac{56}{7} + \frac{56p}{2rr} + \frac{56p}{7} = R.$$

Now assume $p = 11\frac{1}{1}$: and then $\frac{100p}{1\times3,141592}$ = the Degrees of the Arch P; from whence is had a = 10,249675; b = 9,536464; all which subtracted in the foregoing Series, and putting A, B, C, 66, for the known Co-efficients and reversing the Series, we shall have $z = \frac{R}{A} - \frac{BR^4}{A^3} + \frac{2BC - AC}{A^5} R^3$, 66.

=,0704043, and the Arch CE = 11,5704043; and AB = 28,926011.

Mr. Robert Heath lays, by a Table of natural Sines and a few Trials, I find the Angle CAB = 470 21' whence the requir'd Side AB = 28,925, &c. The Method of folving this by infinite Series, which converge so flow, renders it more tedious than useful.

3

2

which

Answer'd by Mr. Hen. Travis.

Let CB=b; CA=a; AP=y; and as in Simplen's Fluxions, p. 121. we have QG=y+ $\frac{y^3}{2.3a^2}$ + $\frac{31^5}{2.4.5a^4}$ + $\frac{3.57^7}{2.4.5a^4}$ &c. and $\frac{2a \times 3,1416}{4}$ = 21,991 = q; from which take QC, leaves $q-y-\frac{y^3}{2.3a^2}$ = $\frac{37^5}{2.4.5a^4}$ &c. = CE; as near additions. AB, and per Enclid 1. 47. $as - yy = \frac{5y^3}{2 \cdot 2 \cdot 3a^2} = \frac{3y^5}{2 \cdot 4a^4}$ does.

AB, and per Enclid 1. 47. $as - yy = \frac{1}{2} = \frac{$

 $=z; : y = x - \frac{zz}{7r} + \frac{zz^3}{49r^2} - \frac{5z^3}{7 \times 2\pi^3} + \frac{5 \times 5z^4}{7 \times 7 \times 2ra^3} - \frac{5z^3}{7 \times 7r^3} + \frac{z^4}{7 \times 4r^3} \text{ Ge. } : y = 9.46 \text{ and } AB = 28,94.$

Mr. Nich. Farrer's Answer.

6=

and

Ting

Or.

B =

few uir'd inite

than

ons,

Or.

QC,

E;

ich

In the Scheme Page 7. let fall the Perpendicular BO, on AC produced, also Ep from the Point E; then let r = AE = 14; m = BC = 22; and put x = the Arch of a Circle, whose Radius is Unity, similar to the Arch EC, then rx = Arch EC per similar Triangles; and its Sine $= r \times x - \frac{x^3}{6} + \frac{x^5}{120} - \frac{x^7}{5040}$ on = Ep; and $\frac{5rx}{2} = AB$ per Quest. and $\frac{25rx^2}{8} = \frac{mm - rr}{2}$.

Then axx - b = OC; and per 47 Euc. 1: $\sqrt{m^2 - a^2x^4 + 2bax^2}$ $-b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$; and per 4 Euc. 6. AE: Ep:: AB: BO, i.e. $r: r \times x - b^2 = BO$

 $\frac{2}{57x}\sqrt{m^2-a^2x^4+2bax^2-bb} = x - \frac{x^3}{6} + \frac{x^5}{120} - \frac{x^7}{5040}$ and the Value of x = 82646; and AB = 28,9211 the Chains

and the Value of 2=,82646; and AB =28,9211 the Chains required in Answer.

The 206th Queftian answer'd by Metones.



Let the Ball be projected from A, the Time of Flight will be 25.2 feconds; in which Time, the Point A will be carry'd to B, thro' a Space AB, 23666 Feet, by the Earth's Rotation. Now the Ball (carried by a compound Motion, of its Projection and the Earth's Rotation) will describe an Elipsis, whose Focus is in the Centre of the Earth; which the eliptic Area Aric = the Circular Section ASBC: Of the Area ArtA = Area BCt; but by respectively.

fon of the small Ratio of rS, to AC, the Portion A.

may be taken for a Parabela. Let AC = b = 210000000 feet; AB = d = 23666 feet. rS = b = 2640; a = Bt; the will $\frac{ba}{2} = \frac{2}{3}b \times d - a$; and 3ba + 4ba = 4bd; whence $a = \frac{4bd}{3b+4b}$ mearly = 3,967 Feet. Near 4 Feet to the West.

Mr. Hen. Travis's Anfaver.

The Time of the Ball's ascending is equal to the Time of its descending, according to the Writers on Projectiles; which Time call (x) and the Number of Feet a heavy Body will fall or descend freely, by the Force of its own Gravity, in one Second of Time = (n) Then will $nx^2 = 2640$ the Feet in half a Mile; $x^2 = 2640 = 2640 = 163.98$ nearly.

= the Feet in half a Mile; $x^2 = \frac{2640}{2} = \frac{2640}{16.1} = 163.98$ nearly

fequently the Ball will fall near 4 Feet from the Place it was projected.

The 207th Question answer'd by Mr. J. Hill.

Call the Number of Hogs any Woman bought x; the Number her Huband bought x + n; Money laid out by the Woman is x^2 Shillings; Money laid out by the Husband is $x^2 + 2nx + n^2$ Shillings. Equation $x^2 + n^2$

 $2nx + n^2 = x^2 + 63$. $x = \frac{63 - n}{2n}$: If n = 1; then x = 31; and

x + n = 32; hence fome Woman bought 31 Hogs, and her Husband 32; if n = 3 then x = 9 and x + n = 12; therefore some other Woman bought 9, and her Husband 12: If n = 7 then n + x = 8. Some Woman bought 1, and her Husband 8. Consequently

Hendrick bought 32, and his Wife Anna 31
Class 12 Catriin 9
Cornelius 8 Geertruii 1

For the Perions put

A. B. C. P. Q. R.

Hogs a, e, yMoney aa, ee, yy e-c, a-b, uMoney aa, ee, yy $e-c^2, a-b^2, uu$

Let b=23; e=11. Compare B with Q, then per Quest. $ee=a-b^2$ +34 =63 Shillings; that is, putting e=a+z; 2az+zz+46a=592;

Therefore $a = \frac{23 - 2}{2} + \frac{63}{2z + 46}$; now 'tis evident the last Term and 5

not be a whole Number ; therefore a in the first Term must be an even Time of Rumber, so the last Term 63_ must be the half of a whole Num-

63 = v. Whence z = 63 - 23; hence v, must be ci-2 - 23.

1, 3, 7, 9, 21, or 63: From each of which is had

Earth; 4.34.32.14.22.24 and again comparing C with P, then 5 9, 12. 8. 8. 12. 32. nt by re 1 - ce + 22e = 184; and we find 2. 10. 12. 20. 42.

Whence e must be the same in both Suppositions .. 'tis 12, if the Quest. possible in whole Numbers. But fince the other two Persons A, R, Be; the mist be compar'd, therefore aa - uu = 63: From hence a = 32; u = 31; 12; and y=8; but comparing the Men and Women in any oder Manner, it will appear there is no other Answer in whole Numbers. Pherefore Hendrick and Anna, Claas and Catriin, and Cornelius and Geerinii, are Man and Wife.

The same answer'd by Mr. Rob. Heath.

Let x = the Hogs bought, be either Hendrick, Claas or Cornelius; then will be the Shillings they coft; and xx - 63 the Shillings their Wives ogs cost, which (as whole Hogs) must always be a square Number; beuse the square Root of Shill. laid out for each Parcel, is equal to the Sumber of Hogs. Let x - y = the Side of that Square, then xx - 63

xx - 2xy + yy. Consequently, by Reduction, x =e find y, may be

Hogs. Cenfeq. \ 32 \ the Men, \ 31 \ bought by their Wives. (8) coupl with (1)

Whence are join'd Hendrick and Anna, Claas and Catriin, Cornel. and Geertruit Mr. N. Farrer observes, that the Number of Hogs, the three Men and their respective Wives bought will be express'd by three Pair of Numb. The Difference of whose Squares must be 63. Now all the whole Numbers whose Squares will preduce this Difference are 1 and 8, 9 and 12; 31 and 2; therefore 3,12,32, the Men bought; 1,9,31 the Women.

The 208 th Question answer'd by the Proposer. F1G. 1. B $1d:y::z:\frac{zy}{d}=CE.$ $\left(\frac{y^2-z^2y^2}{dd}\right)$ or, $\frac{\sqrt{d^2y^2-z^2y^2}}{d^2}$ AKO

e AB,

Now the its Proje the an E. In

rtion A = 6=

464 36+4

defcendand the Force d

= 2640 nearly,

nd, conected.

er Hufs; Mo $nx^2 +$

I; and

32; 1 Woman

ae Wo-

R.

592;

Its L

comi

o. I

henc

313

ir'd. N. I

p. 1 g to

g, i

x=

vift

felef

In

=1:

xio

is e

Ro

2fn

Alfo 6 Axy - Bu + z = C, per Queft. Fig. 2. 7 z = C - Axy - Bu; which substitute for z. $8 \sqrt{d^2 x^2 - u^2 x^2} + \sqrt{d^2 u^2 - x^2 u^2} = C - Axy - Bx$ $\sqrt{d^2-y^2} + \sqrt{d^2y^2-y^2} \times \left[C - Axy - Bu^2\right]$

Here we have one Equation including three unknown Quantities, and yet the Question is truly limited; and to be refolved as the following Question is.

Given $2yx + \frac{259^2}{4} + 4ux = 48x - x^2$. F19. 3. Quere x y and u?

In xps 1 2yx + 4ux = 48x - 2xx $\frac{2592uy}{u^2 y^2} = 0. \text{ And } (3) - \frac{2592uy}{u^2 y^2} + 4ux = 0$ # vari. 2 29# -

From the first, second, and third Steps, by common Algebra we get = 12 y=6; and u=3; and by the very fame Method of Reasoning, the Side of the Trapezium are found to be x = 60; y = 72; u = 45; and z =21; and the Area = 2106 fquare Feet. This Trapezium may be placed 4 or different Ways in a Circle, which I have prov'd by a large geometrical Projection, and every way juffly contain the remaining Chords of the Circle and measur'd, amount to each the same Area 2106 square Feet, (1) In the first fig. the several Lines are obvious. and the Diag. BD = 750 Multiplied by the half of the two Perpendiculars (CE=19,65; AF=36,52) will give the Area as above. (2) In fig. 2. BC = y = 72; BD = = 21; will give the Area as above. (2) In fg.2.BC=y=72; BD=z=21; C=0 DA=z=60 and AC=z=45. And the Diag. DC=74.96mult. by half the Perpendiculars (AF = 35,75 and BE = 20,2) gives nearly the same Area. (3) In fig. 3, y is the Line AB; x is BA, z is AD, and u is x. The Diag. BD 70,01, the perp. At = 16,6; CE = By the 43,1 nearly; and (4) in the same fig. z is represented by BO: u by OA; and x-by AC; the Diag. OC is nearly 74,95, which by the Perpendicular 19. gives the Area as before.

Mr. Paul Sharp has found the Sides 72, 60, 45, and 21. in answer.

Mr. Tho. Robinfon gives the Sides 72, 2; 59, 9; 45, 1; 20, 7 nearly true. In this Quest. it does feem to appear, that the Number of Quantities fought, exceed the Number of given Equations, and (as my ingenious Correspondents have observ'd) is unlimited. But I presume since the Numbers given in the Quest. viz. A=100; B=5; and C=432246; and the four Numbers fought are together obliged to extend the Chords of 360 Degrees, and the Diameter of the Circle is given; it may be faid to be limited; but I shall rather leave it to the Speculation of those ingenious Persons, who are pleas'd to appear in the Emendata next Year.

The 209th Question answer'd by Merones.

 $x_{\frac{1}{3}}^{\frac{1}{3}} = a$ Minimum. Therefore $x_{\frac{1}{3}} \times \text{Log. } x \in \text{Min.}$ whence $\frac{1}{2}x = \frac{1}{2}x \times L$. $x^3 + \frac{1}{2}x = 0$; or 2 Log. x^4 +1=0

=0. And therefore Hyp. Log. x3 = - And Tab. g. of $x_3^1 = -\frac{1}{3} \times 434294 = -1.782853$. Therefore =,60653; and x =, 22313.

The Proposer, Mr. Heath, answers thus.

Its Log. is a Minimum. Let $y^3 = x$, the Expression will rome y y; its Log. = 1: y x y2, flux'd, yy + 1: y x 277 o. Reduc'd $l: y = -\frac{1}{3}$, confequently $l: y^3 = l: x = -\frac{1}{3}$; hence, the natural Number corresponding thereto is 3130, Ge. And accurately; which is the Value of 2 re-

N. B. This Problem shews the Disuse of Mr. Simpson's Series. p. 165. of his Fluxions) for finding the Number answerg to any hyperbolical Logarithm: For instead of convergg, it diverges in many Cases; as if x | X were a Minimum; x = -6; and x = 00247875, e. Here it diverges very vift; but converges very flow in the former Case as to be felefs.

The 210th Question answer'd by Mr. R. Heath.

In the Hyperbola, there is given the Fiures = 100 Inches = p; BG = 15 = a, BD = mG = 10, BM = 5 = b; GD = mH= 12 = c; let $x = Bo^{\circ}$; and y = oh requir'd. CE = By the Property of the Curve, p+b x b: c2:: p+xxx:

t

D

x=13 the Side

2=21

4 or ;

netrical

he Cir. e Feet,

= 75

36,52 3211

74,96)

giver

, z is

OA;

nearly anti-

nious

and 360

lin.

2!

0.



culars $y : x^2 + px = \frac{p + b \times b}{c}$ yy, and $x = \sqrt{\frac{p}{4}} pp + \frac{p + b \times b}{c}$

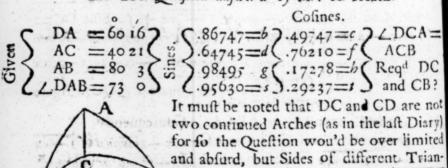
 $-\frac{1}{2}p$, $a-x=a+\frac{x}{2}p$ min. $\sqrt{\frac{1}{4}pp+\frac{p+b\times b}{2}}y=aG$

= hd (put $f = a + \frac{1}{2}p$; $g = \frac{p + b \times b}{2}$) its plain, the Flulumxion of Gd x d, into the Area of the Circle whose Rad. is bd, e li- is equal the Fluxion of the indefinite Solid, generated by the Rotation of the Curve (Bh) about Gd; 4 xff + + PP + 877. -2 f V + pp + gyy x .7854 y whose Fluent is 3.1416y x 12+ 1 pp + 3,1416y3 x 2 (let n = 3.1416) - fpny -

4fng3y7 + 10fng4y9 + 2fng2ys e. e. and if c be PIT put instead of y, in the Expression, we have the Solidity half the Cask = 6754,8 Inches, true to a Decimal; confe quently 13509,6 Inches the whole Content, or 47.893 A Sine Gallons. Merones Answer. Let the Semitransverse CA = r 3 $_{50}$; CD = a = 65; $\Box QPA = 1$ rigor Q = 525. PE = 9 = 12; dd = 1 Vi n +m; c=3.14159; CB=x; GF or DB = a-x; BF or GI = y; then per Conics qq:pp::jy:xx-rr; whence x= $\sqrt{rr} + \frac{pp}{qq}$ yy; and $BD^2 = \overline{a - x^2} = dd + \frac{pp}{qq}$ yy $\sqrt{rr} + \frac{ppyy}{qq}$: Therefore DB² × cy = cddy + $\frac{cpp}{qq}$ y²y - 2ca xs, - $\sqrt{n+\frac{pp}{nn}yy}$ = Flux. folid AFGD revolving round GD; put +3 $L = 2,302585 \times \text{Log.} \quad \frac{p + \sqrt{rr + pp}}{r}$; and write q for y in Here the Fluent, and we shall have cd2q + i-ppq - caq Vir + p 1808 L = half the Cask = 6754,88 Inches, and the whole = 13,500 = 47,907 Ale Gallons.

Mr. Farrer, Mr. Turner, and Mr. Travis, have also curiously wrought this Answer by a different Process.

The 211 Question answer'd by Mr. R. Heath.



B gles. Let x = Cof. LDAC VI - xx its Sin. Rad. = 1. Then (per Anderson's Theorem) bdx + cf = Cof. DC; its Sine V 1 min. bdx + Cf12

By Trigonom. s. DC, s. L.DAC: : s. DA: s. DCA, = b

mi

dgs

I-m

M mak Rec

Cof

Cos mx.

bx-

Vi +4

: 1

BC

1-

T E

```
lidity o
                  i min. bdx + Cfl2: Now, Cof. LCAB = xs+sVi-xx;
   Conie
                 Sine xs, -t Vi - xx and by the foresaid Theorem dgtx,
893 A
                                                      + bf = Cofine CB. Whence
                  1 min. Agtx, + dgs VI - xx: + bf |2 = its Sine. per
= 73
               rigonomet. s. CB: s. \( CAB : : s. AB : s. \( \alpha ACB =
A = \pi
1 = 1
                              xs, -t\sqrt{1-xx}; \times g
For GD
               \int_1 \min_1 dg f x_1 + dg s \sqrt{1 - xx_1^2 + hf^2}
ce x =
               I min bdx + Cf |2 by Reduction I Min. bax - cf |2
            (x_1, -t \sqrt{1-x_2}; \times 9^{12}) = b^2 \times 1 - x^2 \times 1 \text{ min. } dgtx,
- 2 cai
             -dgs V1 - xx: + bf 12. In Numbers, 1 Min. .561643x
); Put + .379121^{12} \times .941907x, - .287969 \( \nabla \) 1 - xx \( \nabla \) = .7525
             *1-xx, ×1 Min. 18647x, +.60993 V1-xx: +.1316751
r y in
           Here x [by a new Method of folving Equations] is found
           = .8770, &c. Whence DC = 4900 = 29°: 21', and BC =
十种
            $086 = 53°: 58'. Q. E. I.
             Mr. 7. Turner observes the Scheme is falle drawn, and so
whole
             makes no Question at all; but correcting it, and putting b =
            Rectang. s. AD, AC, c= your Cof. d= Rectan. AC, AB; f=
         Cof. g = Sinc AD; h = s. AB; m \angle BAD, n = its Cof. x =
oufly
            Cof. LDAC VI-xx = its Sine. Then the Sine of BAC =
            mx-n\sqrt{1-xx}, and its Cof. =nx+m\sqrt{1-xx}, Cof. DC =
           bx+c; Cof. BC = dnx + dm \sqrt{1 - xx} + f. Sine DC =
A=
           VI-cc-2bx-bbxx: s.BC VI-ddnnxx-2dnfx-ff-ddmm
            +dammxx-2aanmx-2amt V 1-xx. As 1-cc-2bcx-blxx
DC
           : 1-xx: : gg: \frac{gg-ggxx}{1-cc-2bcx-b^2x^2} = Square S. \angle DCA. Again
CB?
not
          BC : \( \begin{aligned} \begin
iary)
iited
                                                     bbmmxx-2bbmmx V1-xx
                 gg-ggxx
           1-cc-2bcx-bbxx-1-d^2n^2x^2-2dnfx-f^2-d^2m^2+d^2m^2x^2
ian-
           +bhnn-bnx
xx
          -2dnmx\sqrt{1-xx}-2dmf\sqrt{1-xx} which when all the
on's
f12
          Terms affected with VI-xx are brought to one Side of the
6
          Equation, and involv'd will produce an Equation of the 8th
By
                                                                                                                        Power
```

Power; in which x = .87719. Confeq. the LDAC = 28°:41

BAC = 44°: 18'; Side DC = 29°: 19'; and BC = 53°:59

The Prize Question answer'd by Mr. J. Turner.

P Let P represent the Pole of the World, M.

Moscow; V, Vienna; G, Gibraltar. Put x:

x Cof. Ang. GPV = VPM: $\sqrt{1-xx}$ = 1

Sinc; Sinc GP = b; PM = c; s. L GVP = $\sqrt{1-xx}$;

GVMQ VI-xx; the Rectangle of the Sines of GP

PV = d; Rect. of Cos. = f; Rectangles of the Sine of VP. PM = g; Rect. Cosines = h. By Anderson's Theorem. dx + f = Cos. GV; gx + h = Cos. VM; as $\sqrt{\frac{1-x}{z}}$: $b :: \sqrt{1-xx} : bz = \text{Sine GV}$; and its Cos. = $\sqrt{1-b^2z^2}$ As $\sqrt{\frac{1-xx}{z}} : c :: \sqrt{1-xx} : cz = \text{Sine VM}$; and its Cos. = $\sqrt{1-c^2z^2}$. Consequently,

 $d^{3}x^{3} + dfx + f^{2} = 1 - b^{3}x^{3}$ $z^{4} = \frac{1 - d^{3}x^{2} - 2dfx - ff}{bb}$ $z^{5}x^{4} + 2gbx + b^{2} = 1 - c^{3}x^{4}$ $z^{5}x^{4} + 2gbx + b^{5} = 1 - c^{3}x^{4}$ $z^{5}x^{5} + 2gbx + b^{5} = 1 - c^{5}x^{5}$

And therefore these two are equal to one another.

But $\frac{d^2}{b^2} = \frac{g^2}{c^2}$. So the two Terms wherein x^2 is found defining each other. We have $x = \frac{c^2 + b^2 h^2 - b^2 - c^2 f^2}{2c^2 df - 2b^2 gh} = -969343$ the

Cosine of 14°. 13'. 27". the Difference of Longitude of Gibral-

Vienna and Gibraltar bears from Moscow South 56°. 4' westerly.

Moscow from Vienna, North 44: 50 easterly.

Gibraltar from Vienna, South 44: 50 westerly.

Vienna and Moscow from Gibraltar North 35: 16 casterly.

Vienna is dist. from Gibr. 16°. 29' = 1146 Eng. Geom. Miles; Pien. from Mose. 11°: 23' = 791 Miles; Gibraltar from Moseow 11°: 22' = 791 Miles. Gibraltar from Moseow 27°: 52' = 1937 Miles. This Answer is perform'd by a simple Equation. — The same was answer'd by Mr. Rob. Heasth, the Proposer; and by Merones.

Mr. N. Farrer, Mr. Rob. Robinson, Mr. H. Travis, Mr. J. Powle, Mr. Jos. Towng, and some others have also curiously investigated

the Answer to the Prize Question.

New ANIGMA's to be answer'd next Year.

(1.) ÆNIG. 237. By Col. Dagger.

orld, h

ut x

SVPS

of GP

Sine

Theo

s Col

66.

ftroy

3 the

ibral.

terly.

y. liles;

Mof-

52

qua.

the

mile,

ated

Nen

Y E prying Fair, who learn'd would be In Ænigmatic Mystery,
Attend, a Monster now I sing,
A finite uncreated Thing;
Which will inform in one Hour, more Than all you ever heard before,
Tho' Chaple preach you Lines threescore,
And shall exalt you to th' Degree
Of Newton in Philosophy:
And Heller, as whose Triumphs you Have oft been entertain'd a-new.

I ranfack every foreign Clime, The Ocean, and the Moon fometime; And fearch the Region of the Skies, To find your greatest Rarities.

I strew the Tables of the Kings,
Regaling each with nicest Things;
Yet found the greatest Thief e'er known,
In Country, City, or in Town:
Stealing from all; so you will deem
A common Enemy I feem;
Yet hope you'll never find me so,
But otherwise, a Friend to you.
When Poets of my Labours sing,
They make me great as any King;
'Cause I more Ministers employ
Than Walpole, or the great Viceroy:

And if you knew my Victories, (So often haften'd by your Eyes:) Yourselves my Pow'r would soon declare Greater than that of Emperor.

Yet 'twas indeed your Voice and Charms
That furnish'd me at first with Arms:
My Throne upon your Tongue was founded,
I never yet but once was wounded,
By one (since own'd my Conqueror)
Tho' he was Slave to me before.
Whose Life in conq'ring me was lost;
(Small Reason sure for him to boast.)

My Trophies fcatter'd all around, Augment and still enrich the Ground; Bane to the Pleasures of the Great, To some an undisturb'd Retreat.

Tyrannick Fool! by what I do
I haiten my own Overthrow;
The quicker my destructive Pow'r,
The quicker comes my fatal Hour,
When straight I sleep amongst the Dead,
Affording Joy, removing Dread.

(2.) ÆNIG.

(2.) ÆNIG. 238. By Mr. Will. Chaple.

Or meek and humble Parents I was born. To lead a rural Life I did not fcorn ; And while my youthful Vigour did remain, Was often feen to cross the verdant Plain. In harmless Sports I there did spend my Time. Until remov'd to a less pleasant Clime, Maugre those Virtues which did me adorn. I from my Native Country foon was torn: And many a Change was forc'd to undergo. Yet by this Change I much more virtuous grow: I cloath the Naked, and the Hungry feed Yea, oft the Rich do oft my Assistance need. Princes have oftentimes with me convers'd. When deep in Cares their Thoughts have been immers'd. As Judge between contending Parties fit. Yet ne'er am brib'd, but (as is right and meet) The cheating Knave degrade, and Innocent I quit.

The Gordian Knot I often help to tie, And the Defects of Nuptial Love supply: The Soldier with new Courage I inspire, And raise his low dejected Spirits higher. Sometimes I am a Lawyer, or Musician, Now an Historian, then a Politician.

I constantly have an Associate, A tender, delicate, and beauteous Mate; Who more conversant is amongst the Fair, Of less important Business has the Care, And oftner is employ'd I frankly own; But (my Abilities are so well known) Weightier Affairs are lest to me alone.

Unfit for Service now, or nigh my End,
The thort Remainder of my Life I spend,
In teaching how your Beauty to improve,
Or how your Impersections to remove,
By such a Dress as gains your Paramour's Love.

Lastly, the Rich examine your Revenue, And the Terms on which you do the same continue, And if ye find me not, I'll say, The — 's in ye.

(3.) ÆNIG. 239. By Patrizo.

SILENCE, ye Slaves, attend your Monarch's Pow'r, Whose Bounds extend themselves the Kingdom o'er; Nor yet contented with these narrow Bounds, I'm seen on French, Italian, Spanish Grounds:

Thro' all the Kingdoms I extend my Sway,
As tree as Air.—Yet sometimes ask to pay—
I think, e'er fince the good Queen BESS's Reign,

The Law compels each Parish to maintain

Their

Their Poor—You'll fay then I'm a Parish Brat,
Since to maintain me great Expence they're at;
Each Summer in their Liv'ry I appear,
Which I have much ado to wear a Year,
And when 'tis rent and torn, they mend again with Care.
Perhaps from hence you'll think that I'm a Slave;
No, I detest the Thought: The Romans brave
My Fathers were; their ancient Child I am,
And, (as most Children do) from them I take my Name.
Marks of Antiquity from them I boast,
Some Traces yet are seen, tho' some are lost,
Which prove, in me they spar'd no Pains or Cost.
Now Royal Kings my noble Guardians are,
And British Members think me worth their Care;
Scarcely a Session passes, but they Vote,
Nem. Con. and grant me a new Coat.

(4.) ÆNIG. 240. By Clericus Parochialis.

Or purest Metals, and of baser, I Am often form'd, with great Dexterity; And am beholden many times to Trees, And Beafts of various Kinds too, fuch as thefe; The Ox, the Sheep, the Horse, the Goat, the Calf, And more besides; for these are not the Half; (Of diff'rent Countries, wild as well as tame) That severally yield Matter for my Frame. In most of Colours are by Nature limn'd, I still appear, with Art and Neatness trimm'd. So much my Splendor does allure the Eye, And Mortals cause, with Curiofity Oft, what may be my real Worth to pry. For when I'm known, you'll find it to be true, That often counterfeited is my Hue; To ev'ry Age, Degree, Sect and Profession, A Slave I am, admir'd most in Fashion. My Service only's flighted by the Beau, When he delights his Gallantry to shew. To give my Description yet compleater, Know, that infinitely various in my Feature; My Owner never wants me for his Ufe, But always ready for me has a Noofe; Which o'er my Head he for his Good does cast, And keeps me all Day, as i'th' Pillory fait. I'm with a num'rous Train of Brethren feen, All rank'd with equal Distances between; Of like Complexion all, alike in Shape, And meeting with like Treatment few escape. Many of my Kindred Twin-Brethren are, Of whom is taken more peculiar Care; For, left they should be lost, or chance to stray, They coupled are, like Beagles, Night and Day. Ye charming Fair, please to reveal my Name, But, hold--I've myfelf half done the fame,

Their

ENIG.

(5.) ÆNIG. 241. By Albufinda.

Non Form, nor Substance, in my Being share, I'm neither Fire, nor Water, Earth, nor Air; From Motion's Force alone, my Birth derive, I ne'er can die, for never was alive: And yet with fuch extensive Empire reign, That very few escape my Magic Chain. Nor Time, nor Place, my wild Excursions bound, I break all Order, Nature's Laws confound: Raife Schemes without Contrivance, or Defign, And make apparent Contradictions join; Transfer the Thames, where Ganges Waters roll. Unite the Equator to the frozen Pole: "Midst Zembla's Ice, bid blushing Roses grow, And British Harvest bloom in Soythian Snow: Caufe trembling Flocks to skim the raging Main, And scaly Fishes grace the verdant Plain: Make Light descend, and heavy Bodies rise, Stars fink to Earth, and Earth ascend the Skies. If Nature lie deform'd in wintry Frost, And all the Beauties of the Spring be loft, Rais'd by my Pow'r, new Verdure decks the Ground, And fmiling Flowers, diffuse their Sweets around: The fleeping Dead! I fummon from the Tomb, And oft anticipate the Living's Doom: Convey Offenders to the fatal Tree, When Law and Stratagem have fet them free: Aw'd by no Checks, my roving Flight can foar, Beyond Imagination's active Pow'r. I view each Country of the spacious Earth, Nay, vifit Realms that never yet had Birth: Can trace the pathless Regions of the Air, And fly with Ease beyond the starry Sphere. So swift my Operations, in an Hour I can destroy a Town, or build a Tower. Play Tricks would puzzle all the Search of Wit, And show whole Volumes that were never writ. In fure Records my mystic Power's confess'd, Who wrack'd with Cares a haughty Tyrant's Breaft; Charg'd in prophetic Emblems to relate, Approaching Wrath, and his peculiar Fate. Oft, to the Good, by Heaven, in Mercy fent, I've arm'd their Thoughts against some dire Event; As oft in Chains presumptuous Villains bind, And haunt with restless Fears the guilty Mind.

New QUESTIONS to be answer'd next Year.

(1.) QUEST. 213. By Mr. Rob. Heath.

A Miser thus, fair Ladies, makes Request, What Pounds are those, at Compound Interest, He must, for Time, on these Conditions lend, To gain an equal Value in the End?

Square

Oble

Plac

mry

for a

G

at B

whe

frai

Gin

Ball Tak agai reve T

gene Geo

Car

wen!

inac

Fro

the hav

fore (per Alt

my

cur Bei Square Root of Years, Square Root of Pounds per Cent, Must equal Square Root of the Money lent: To make it clear, the Square Root of each Three, Compar'd with each, must equally agree; Time, Rate per Cent, and Principal unfold, And wed him, fair One, for his Bags of Gold.

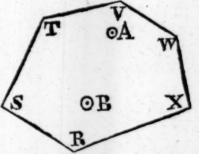
(2.) QUEST. 214. By Mr. Nich. Farrer.

Sometime in the Spring-Quarter, in 1739, in the Forenoon, an Observation being made of the Sun, his Altitude was found 33°, 41' 40"; and Azimuth from the North 102°, 40' 52"; and sometime after, on the same Forenoon, his Altitude was found 48°, 46', 53", and Azimuth 134°, 39', 56". From whence the Latitude of the Place of Observation, Month, Day, and Hours of Observation may be found, and are here required? With a general Theorem for all Questions of this Nature?

(3.) QUEST. 215. By Mr. J. May.

Going to pass a leisure Hour at Billiards, I wondered to find the Table an irregular Hexagon; when seeing the Balls sly very strangely in striking the several Ginns, made me think, If two Balls, A and B, lay on the said Table, and the Ball A was struck against the Ginn R S, from thence reversing to S T, from thence to T V, then to W V, then to W X, thence to R X, thence

quare



revers'd, and struck the Ball B; to find Geometrically the Points in the several Ginns, where the Ball A will strike; and that by a general Construction for all Polygons, supposing the Balls to be Geometrical Points?

(4.) QUEST. 216. By Mr. Henry Travis.

Ar Matlock, near the Peak in Derbyshire, where are many surprizing Cariosities in Nature, is a Rock by the Side of the River Derment, rising perpendicularly to a wonderful Height; which being inaccessible, I endeavoured to measure in a Mathematical Method. From a Station at some Distance, (nearly level with the Bottom of the Rock) I took an Angle of Altitude to its Top 47°, 30′; and having designed a second Station, I took an Horizontal Angle of 37°, 5′, between the Foot of the Rock and that Station; the measured Distance between the Stations was 4 Chains, and 29 Links, (per Gunter) or 283,274 Feet. At that Place I had an Angle of Altitude 40°, 12′, but forgot from hence to take an Angle between my first Station, and the Foot of the Rock; yet am in Hopes some curious Artist will, from this Data, determine the perpendicular Beight of this stupendious Rock.

(5.) QUEST. 217. By Mr. Ant. Thacker.

Given the * Equation of the Exponential Curve, MDSEB, together with the Axis AB=b=1000; to find the greatest Ordinate (SR) and inscrib'd Parallelogram DEQp, and to give the Analytical Investigation of the same?



all t

Cha

Cler

$$p \overline{B} A^p = p \overline{D} D^p D : i.e. \overline{b-x}^x = y^y A$$

(6.) QUEST. 218. By Mr. Rich. Gibbons.

I will undertake with twelve fair Dice, to throw 42 once fifteen Times; and between 37 and 47, at every Throw. Quen Whether I shall be a Gainer or Loser by these Chances, and the exact Odds?

The PRIZE-ÆNIGMA, and PRIZE-QUESTION.
The PRIZE-ÆNIGMA. By Terpfiphilus.

I'm deck'd in my Pride, like a blooming young Bride, Fresh and fair as the Flowers in May;

While a Youth in his best, for my Bridegrom is dress'd, To crown with our Nuptials the Day.

What heightens our Blits is, my Sifters and Nieces, (As the conjugal Frolick's a spreading)

With his Brothers and Cousins, chime in by the Dozens, And join in the jovial Wedding.

From the Moment I change my Condition, 'tis strange To be found with my Husband in Bed;

Yet, Thanks to the Donor, a new Name of Honour

I claim from the Spouse that I wed.

Thus marry'd for Life, like an amorous Wife, I hug and embrace him to Duty;

Tho', our Fury to check, he hazards his Neck, And I run the Rifque of my Beauty.

But as it's our way, to carefs all the Day,

No Wonder we grow out of Favour; If a Slattern I be, and a Skeleton he, Thus parted we're Strangers for ever.

The PRIZE-QUESTION. By Mr. Robert Heath.

NEAR Twickersam's Banks, the Muses Seat, where Thames Rolls, thro' the Valley, his smooth clearer Streams, A Fabrick does in peaceful Order rise, Whose Owner's Virtues reach the losty Skies! Secure of Fame, he slights all C—rt Renown For MARO's Glory, an immortal Crown. His generous Fancy, free, and unconfin'd, Well suits the Butiness of a noble Mind; Beholding Flatt'ry with a pitying Eye, And, than be guilty! sooner chuse to die! Wrapp'd in himself, he can his Thoughts approve, Of Truth, of Justice, Poetry, or Love;

Can, meditating on Life's various Scene,
See Folly's Rocks, and Seas ingulph'd between:
And smoothly gliding down Amusements Stream,
Make Gardens, shady Bowers, or Grots, his Theme.
Or, from aloft, tall Spires, Domes, waving Woods,
Re-ecchoing Hills, fair Fields, and chrystial Floods;
Hear the wing'd Choir, in warbling Confort sing,
The sweet-tun'd Praises of their heavenly King.
See Swans below, Boats, beauteous Nymphs, and Men,
All moving on serenely, and agen.
Who'd not refuse the gaudy Pomp of State,
To live so bless'd, so nobly, good and great.
T' enrich the Prospect, let it be suppos'd.

2 Once

, and the

N.

d,

205

Quen

T' enrich the Prospect, let it be suppos'd, A Park is purchas'd, thus to be inclos'd; Two spreading Trees, on Thames streight other side, (Three Furlongs Distance) shade the filver Tide; And from the Muse's Seat do equally divide: From whence a Fence of Pailing must furround, (In Length a Mile,) the yet unfashion'd Ground; On this Condition carried from each Tree, To make the Park the biggest that can be. Again, suppose a Line drawn from each Tree, To the contrary farthest Boundary; These, and the Fence, to touch two * circling Shades On right and left, each shelt'ring as it spreads: Hemm'd with a Range of Trees, to screen the Deer, The middle Space wide op'ning to the Year. Ingenious Ladies, you're defired to shew, The Park's true Form, Centent, Shades, Area too.

Arollo thus—fweet Ladies, when you've done, Bring all your Harps, and tafte the Venison.

*Circular Enclosures touch'd by opposite Sides of the Park, and Intersections of the longest Lines drawn from each Tree a-cross the

A Alphabetical Catalogue of the Contributors to the Diary.

ADRASTEA all En. Abadmegeor. 4 En. Ann Peg Acton all but iii. Sam. Adamson all En. Adolescens all E. 3. Albusinda Analyticus 3 E. 1. W. Aldridge all E. Ab. Alcock all E. G. Atwell iii. vi. Anonymous all but iii. Arithmeticus ii, iii. 1 lat. Æ. Annus Amanuensis all E. Ag. Atkinson all but v. Abr. Atkinson all En. B. B. J. Badder 1, 6. S. Bamsield i, ii, iv, vi. Æ. I, 3. J. Benwell, T. Bird, all E. 1, 2, 3, 7. Blowsabella all E. T. Brecon, W. Brown all E. W. Brown i, ii, vi. Æ. J. Buckland all but v. R. Buckley all E. Abr. Bunchelot i, ii, iv. Æ. J. Bulman, J. Careless all E. Molly Casewell all but iii, v. Ma Chamberlain all but iii. J. Canton i, ii, iv, vi. W. Chaple all E. Jos. Chaple i, ii, iv, vi. Æ. J. Clarke i, ii. iv, vi. Æ. Cler. Paracholis. S. Clarke i, ii, iv, vi. Æ. J. Clarke i, ii. iv, vi. Æ. Tho. Cooper, Cottilus all F. 1. Rob. Cocke 1, 4. El. Cotterel all E. S. Crispin all E. Bud Curray i, ii, iv, vi. Lat. Æ. Eliz. Curray, Col. Dagger all E. Tho. Dod all E. Rand. Fd. Eliz. Dod all E. Dolabella all E. Ab. Donn i, ii, v, vi. Æ. R. Dunthorne i, ii, iv, v, vi. 2, 3. J. Dann all but iii J. Dutton, Nan, Edwards all E. Eliza. W. Eliot Æ.

Jo. Elfwath i, ii, iv. Nic. Farrer all E. and Questions, Ch. Facer, T. and R. Forster all E. 1, 3, 6. W. G. N. Peg. & Kit Gamul all E. Geare i, ii, iv, vi. Æ. Old Gentry all E. R. Gibbons all E. 1, 3.5 Giffard all E. T. Glaspool, T. P. Goodwin 3, 5. Peg Goosecap all T. Greenwell all E. Miss Harper all but iii. Martha Harrison all J. Hampfon all E. Ag. Hartwell all E. Rob. Heath all E. and Q. Hitton all E. J. Hill 3. J. Hobson i, ii, iii, v, vi. 1, 3. Marg. Host all E. R. Hoare all E. Fr. Holliday i, ii, iv. G. Holford all E. Hughes. Guillot. T. Jewell i, ii, iv, vi. Infanus all E. Ifa. Johnsall E. J. Jones all E. Juvenis all E. Ja Kennesly all E. W. Leighte W. Leigh i, ii, iv, vi. Æ. Do. Liversedge all but iv, v. F. Linmall iii. Deb. Liptnot all E. 3. T. Lovis all but v. Er. Maddox, Je Maisterton i, iv, vi. Marmathesis i, ii, iv. Æ. Merones all Q. J. Menall but iii. i. S. Mansield i, ii, vi. Æ. T. Marher all E. 13. M. M. dleton all but 2. W. Mobs all E. Cla. Morrey i, ii. Fr. Mountage all E. J. Nelson all but v. J. Newbury all but v. J. Nimble i, ii. a. Nixon i, iv, vi. E. P-tt. i, ii, iii, iv. T. Peat ali E. 1, 3. Palamet i, ii, iv, vi. Lat. Patrico all E. J. Pierce-all but v. J. Peachy, 1,2, J. Philadelphia i, ii, vi. W. Pigge i, iv, vi. Æ. Phylogynus all E. J. Powle, Nan Puliton all E. Ec. Petherick i. Æ. Philenigmatic all E. Jo. Pilgrim all E. Ed. Pilbrow, J. Pritchard, Ja. Pittacus E. Neh. Puzzle all E. Ser. Ragg, M. Raine all but iii. J. Ransomi vi. J. Riches i, ii, iv, vi. R. Robinson i, ii, vi. 1,2,7. T. Robinson ii, iv, vi. 1,4. Mol Roe i, iv, vi. Æ. Rusticus all E. Sanders all W. Schoolcroft all but v. Scholatticus all E. J. B. Smith 1, 3. 1 Sparrow, Mar. Short i, ii, iv, vi. P. Sharp all E. 1, 3, 4. Mol She rard i, ii, iv. W. Sedgwick all but v. Spurling all but v. 3. E. Sa coe i, ii, iv, vi. Han. Sly i, ii, iv, vi. Soberfides, J. Small all but W. Spicer i, ii, iv, vi. 1. J. Stewart all E. G. Stopley all E. 1. 3. Taylor, Tom Tickle all E. Terptiphilis all E. Down Thump all W. Soft iv. G. Trim all E. W. Toft i, ii, vi. 1. 5. Walt. Trott all 3, 4, 5. J. Turner all E. and Q. H. Travis, all Q. Lac. Verei but v. Vetus Amicus, Vedastus all E. T. Waine i, ii, iii, vi. I. Walker i, iii, iv. R. Waring, J. Watts all but v. Mol. Wetenh all E. J. Wilfay all E. H. Williams all E. J. Wilfon ii, vi. Dio W. liams ii, iii, vi. The first Prize fell to Bloufabella, 2d. to Mr. Gibbons, 3d. won by Merones.

ADVERTISEMENTS.

STeel Trusses for Ruptures, Bag-Trusses for fix'd Tumours, Bai Irons, and other Instruments for the Lame and Crooked, Stristockings, Knee and Ankle-Pieces, very useful for weak or swellegs; by the Widow of Peter Bartlett, at the Golden-Ball in St. Pachurch yard, near Cheapside, London: Who by the Assistance of her ther, Mr. George Lamb, (who succeeds her late Husband as Trusses ker to the Chest at Chatham, for the Help of his Majesty's Seams serves Gentlemen in the same Business. Persons in the Country is ing their Bigness, and on which Side the Rupture is, may be supped with Trusses, and proper Directions.

A Rtificial Teeth, set in so firm, as to eat with them, and so exact, not to be distinguished from Natural: They are not to be take out at Night, as is by some fallly suggested, but may be worn Yest together; yet are they so fitted, that they may be taken out and pain by the Person that wears them at Pleasure, and are an Ornament the Mouth, and greatly help the Speech: also Teeth are clean'd a draw'd, by J. Wass and Sam. Ruster, Operators, who apply themselve wholly to that Business, and live in Racquet Court, Fleet-street, London.

. Facer, T l all E.T E. I. 3.5 fecap all rifon all and Q. larg. Hoan all E. R fa. Johns 7. Leighta . F. Linm ddox, Ja 2. J. Mena 3. M. Mil Mountagu ole i, ii. A . Palamel us all E. enigmatic Plittacus i Ranfom Robinton nders all! h 1, 3. 7 Mol She 3. E. Sin E. 1. 3. hump all!

Trott alliac. Vereinit, vi. i. Wetenhori. Dio W.

ked, Strikk or twellin St. Falce of herh s Trufsmy's Seans Country fen

ours, Bad

to be take to be take worn Yes out and pornament clean'd a themselve

London.

y be fupp